

PRODUCT CATALOGUE



Kale Kilit Foreign Trade Inc. was formed in 1986 as an affiliate of Kale Industry Holding.

It has been operating either by production, marketing or assembling of the products;

- Electronics Group
- Hardware Group
- Glass Door Accessories Group

either to be used individually or groups both in business or personal life environments.

It is marketing locally made or imported products that conforms the international quality & security standards both in domestic and international markets.

It provides total security solutions through the combined systems of mechanical and electronic instruments for the places;

- Individual or commune living environments (residence, villas, sites, flat buildings .. etc)
- Business environments(touristic facilities, hotels, factories ..etc)
- Specific door or entry points

All provided technical services based on unconditional customer satisfaction, security and quality concepts reflects the vision of Kale which gives paramount importance to customer focused quality concepts backed by Kale Kilit's 60 years of experience.

Allocating all its resources to be used efficiently by taking advantage of the latest technology while increasing its product & service quality continuously are Kale's unconditional principles .

Being reliable, creative , innovative, obeying laws & moral values and adding new values to the society and our country our indispensable values.

Live the future technology where quality , comfort, aesthetic meets with high security.



KALE KİLİT DİŞ TİCARET A.Ş.



HARDWARE GROUP



ELECTRONIC GROUP



GLASS DOOR ACCESSORIES GROUP

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HARDWARE GROUP

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PADLOCKS



KD-001/10-160

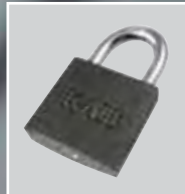
Cast Iron Padlock - 63 mm

Cast Iron Padlock
20 mm



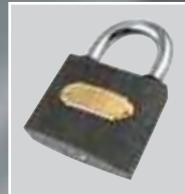
KD-001/10-120

Cast Iron Padlock
25 mm



KD-001/10-125

Cast Iron Padlock
32 mm



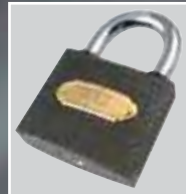
KD-001/10-130

Cast Iron Padlock
38 mm



KD-001/10-140

Cast Iron Padlock
50 mm



KD-001/10-150

KD 001/10-120

TYPE	20
A	20 mm
B	19.5
C	11.1
D	3.3
E	10.7
F	11

KD 001/10-125

TYPE	25
A	25 mm
B	24
C	13.8
D	3.95
E	12.7
F	12.5

KD 001/10-130

TYPE	32
A	32 mm
B	30
C	16.4
D	5.3
E	16.7
F	15.0

KD 001/10-140

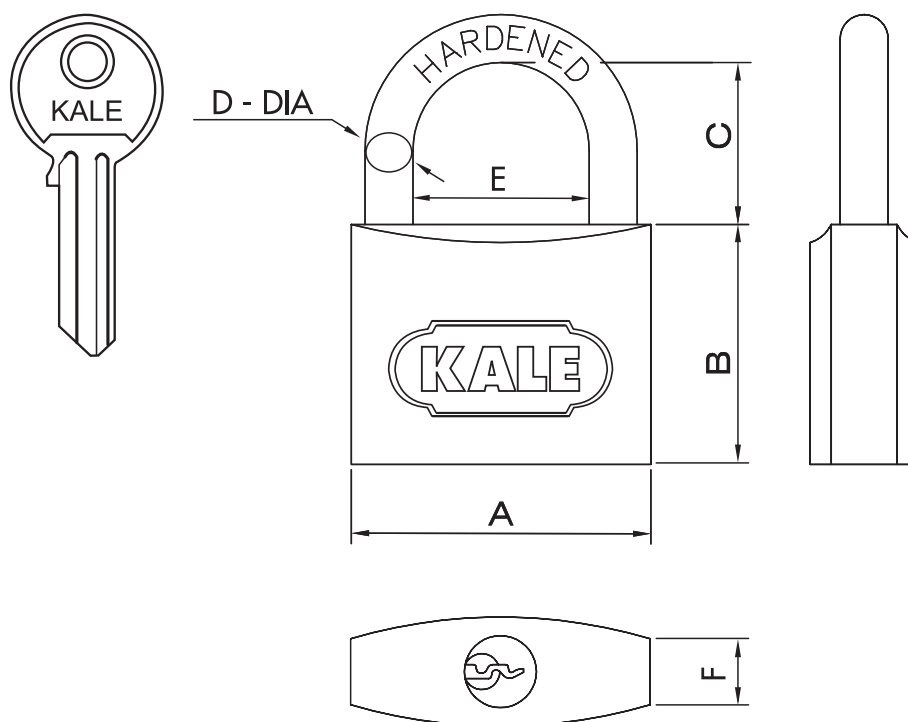
TYPE	38
A	38 mm
B	35
C	21.7
D	6.3
E	19.7
F	17.7

KD 001/10-150

TYPE	50
A	50 mm
B	41
C	25
D	9
E	25
F	23

KD 001/10-160

TYPE	63
A	63 mm
B	50
C	32.3
D	10.5
E	32.5
F	26.5



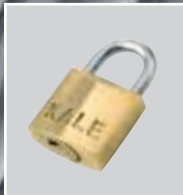
PADLOCKS



KD-001/10-260

Brass - 63 mm

Brass - 20 mm



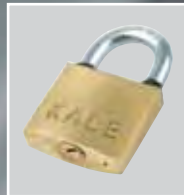
KD-001/10-220

Brass - 25 mm



KD-001/10-225

Brass - 32 mm



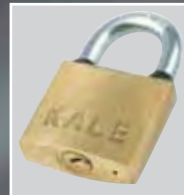
KD-001/10-230

Brass - 38 mm



KD-001/10-240

Brass - 50 mm



KD-001/10-250

KD 001/10-220

TYPE	20
A	20 mm
B	19.5
C	11.1
D	3.3
E	10.7
F	10.5

KD 001/10-225

TYPE	25
A	25 mm
B	24
C	13.8
D	3.9
E	12.7
F	11.5

KD 001/10-230

TYPE	32
A	32 mm
B	30
C	16.4
D	5.3
E	16.7
F	13.8

KD 001/10-240

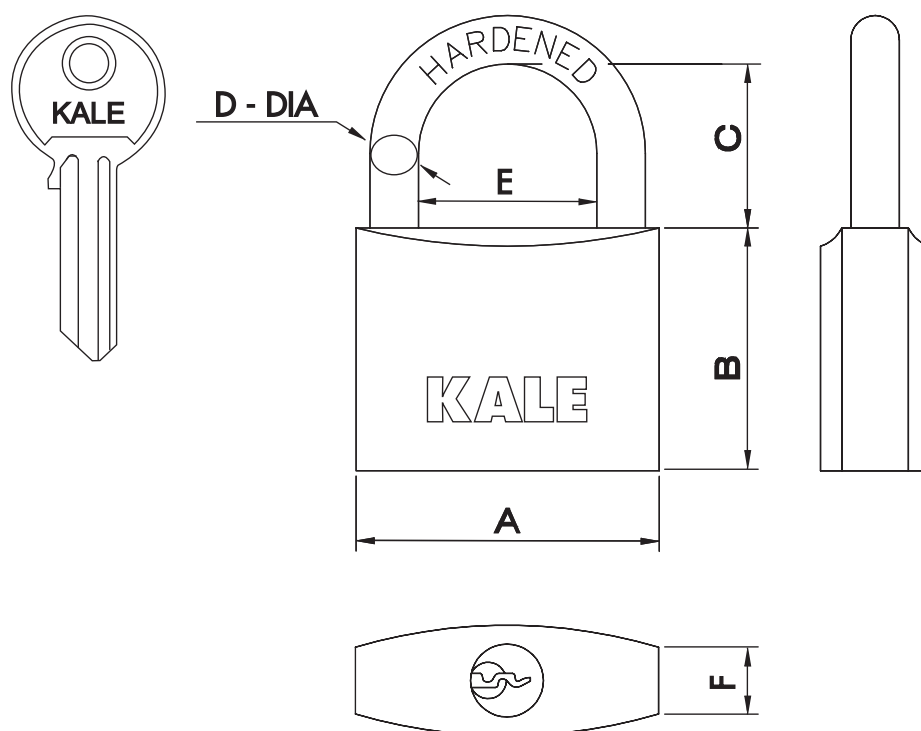
TYPE	38
A	38 mm
B	34
C	21.7
D	6.3
E	19.7
F	15.2

KD 001/10-250

TYPE	50
A	50 mm
B	41
C	25
D	9
E	25
F	19

KD 001/10-260

TYPE	63
A	63 mm
B	50.5
C	32
D	10
E	31
F	20



COMBINATION PADLOCKS



KD-001/20-400

4 Digit Code

3 Digit Code



KD-001/20-100

4 Digit Code With
Revolving ID.tag



KD-001/20-200

4 Digit Code

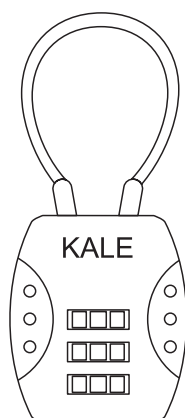


KD-001/20-300

COMBINATION PADLOCKS / TECHNICAL SPECIFICATIONS

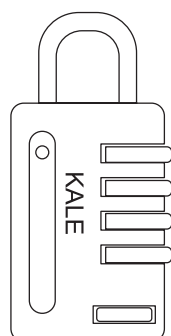


KD 001/20-100	
TYPE	20-100
G	27 mm
Y	38 mm



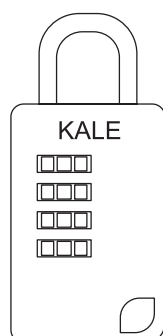
20-100
3 Digit Code

KD 001/20-200	
TYPE	20-200
G	27 mm
Y	50 mm



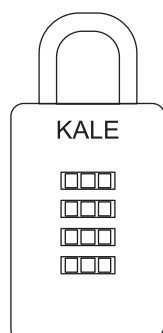
20-200
4 Digit Code
With Revolving ID.tag

KD 001/20-300	
TYPE	20-300
G	31 mm
Y	55 mm



20-300
4 Digit Code

KD 001/20-400	
TYPE	20-400
G	40 mm
Y	55 mm



20-400
4 Digit Code

STEEL PADLOCKS



KD-001/60-110

Rectangular Steel Body - 82 mm

Stainless Steel
Body - 50 mm



KD-001/60-120

Stainless Steel
Body - 63 mm



KD-001/60-121

Brass Body in Plastic
Case - 50 mm



KD-001/60-140

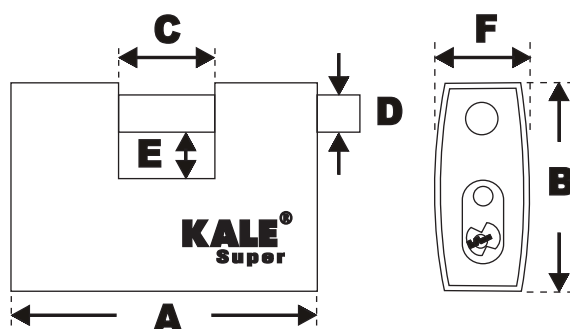
Brass Body in Plastic
Case - 60 mm



KD-001/60-141

KD 001/60-110

TYPE	110
A	82 mm
B	61
C	27
D	9.5
E	14.5
F	32

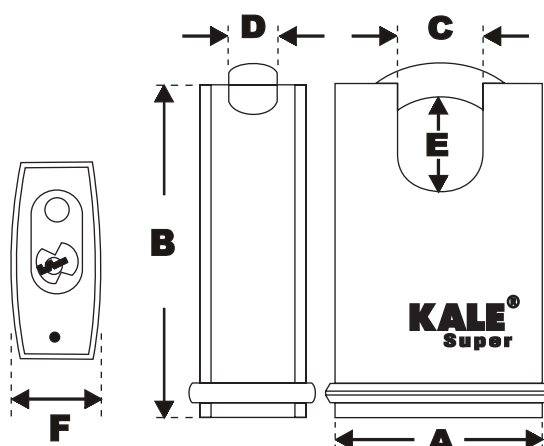


60-110

Rectangular Steel Body - 82 mm

KD 001/60-120

TYPE	120
A	50.8 mm
B	88
C	19.8
D	9.5
E	25.7
F	25



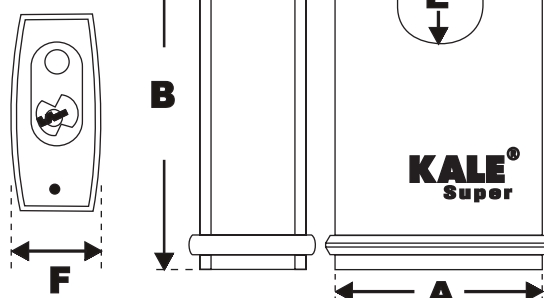
60-120

60-121

Stainless Steel Body
50 mm - 63 mm

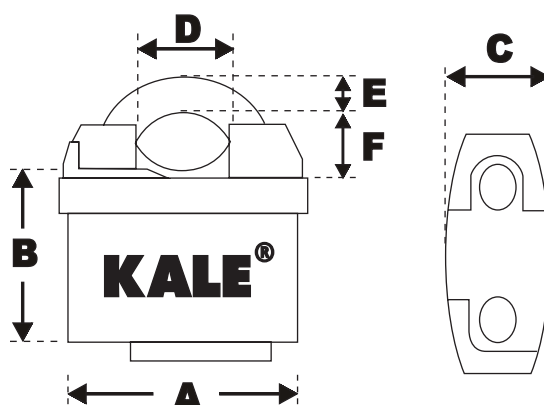
KD 001/60-121

TYPE	121
A	63.5 mm
B	93.7
C	23
D	11.1
E	25.7
F	25



KD 001/60-140

TYPE	140
A	50 mm
B	49
C	29
D	21.5
E	8.8
F	18



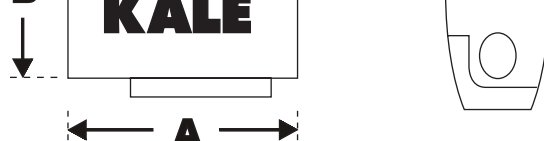
60-140

60-141

Brass Body in Plastic Case
50 mm - 60 mm

KD 001/60-141

TYPE	141
A	60 mm
B	62
C	32
D	26.5
E	10.8
F	23



DOOR CLOSERS

Standard



KD-002/50-330

Silver - Standard

Silver- Standard



KD-002/30-220

Bronze - Standard



KD-002/30-221

Bronze- Standard



KD-002/50-331

Silver - Standard



KD-002/50-440

Bronze - Standard



KD-002/50-441

Silver - Standard



KD-002/50-550

Bronze - Standard



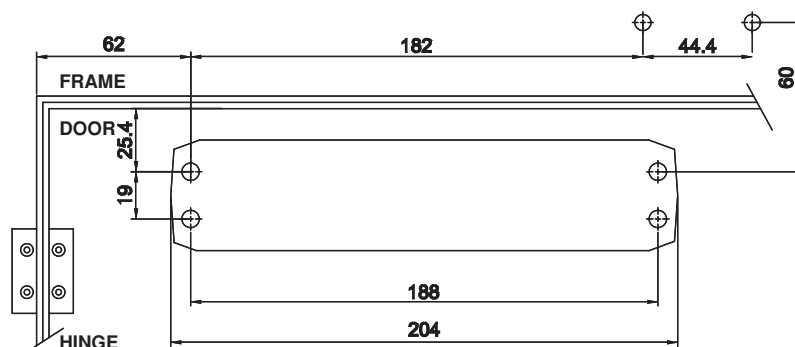
KD-002/50-551

DOOR CLOSERS - STANDARD / TECHNICAL SPECIFICATIONS



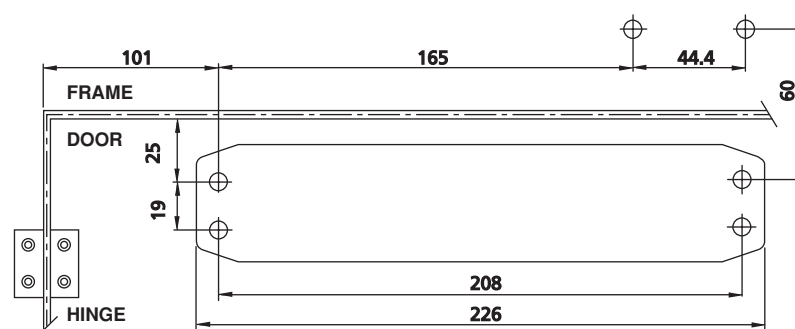
KD 002/30-220 • KD 002/30-221

TYPE	Standard
COLOR	Silver - Bronze
CLOSING POWER	2
DOOR TYPE	Wooden
DIMENSIONS	800 x 2100
DOOR WEIGHT	25 – 45



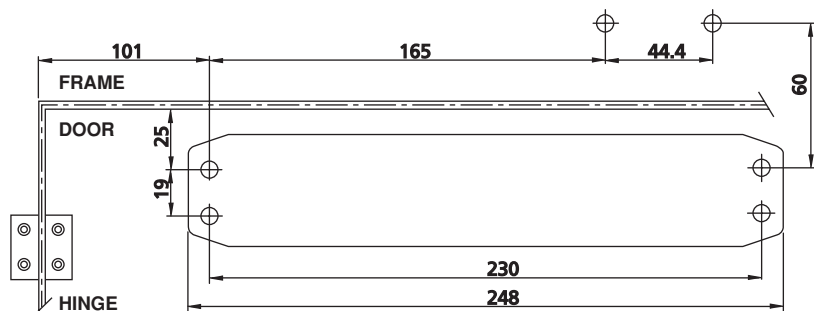
KD 002/50-330 • KD 002/50-331

TYPE	Standard
COLOR	Silver - Bronze
CLOSING POWER	3
DOOR TYPE	Wooden & Iron
DIMENSIONS	950 x 2100
DOOR WEIGHT	40 – 65



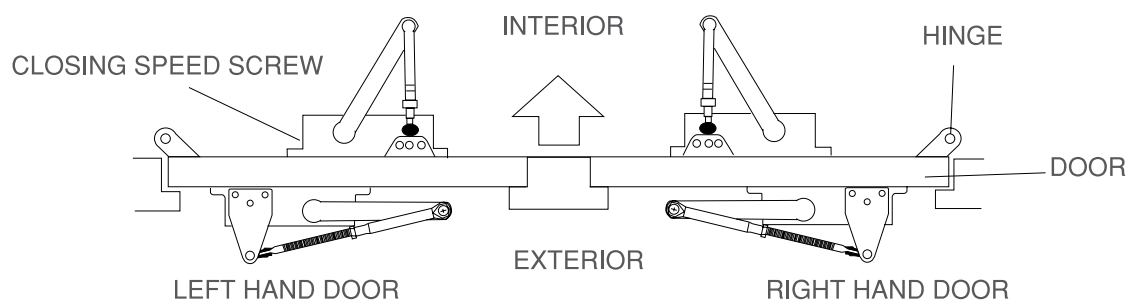
KD 002/50-440 • KD 002/50-441

TYPE	Standard
COLOR	Silver - Bronze
CLOSING POWER	4
DOOR TYPE	Iron & Steel
DIMENSIONS	1050 x 2400
DOOR WEIGHT	60 – 85



KD 002/50-550 • KD 002/50-551

TYPE	Standard
COLOR	Silver - Bronze
CLOSING POWER	5
DOOR TYPE	Steel
DIMENSIONS	1200 x 2400
DOOR WEIGHT	80 – 120



DOOR CLOSERS

Power Adjusted



KD-002/50-400
Silver - Power adjusted

Bronze - Power adjusted



KD-002/50-401

DOOR CLOSERS - POWER ADJUSTED

TECHNICAL SPECIFICATIONS

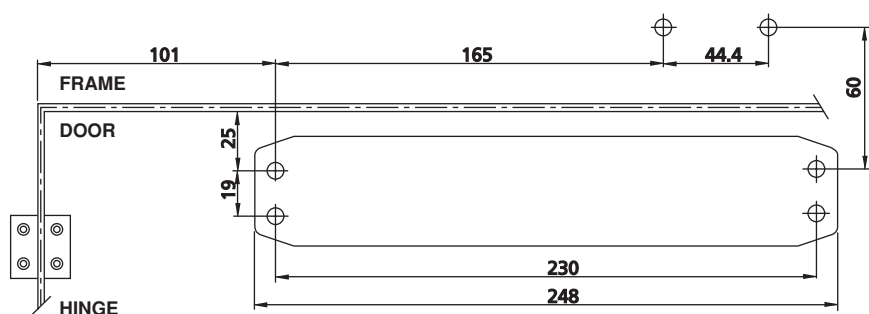


KD 002/50-400

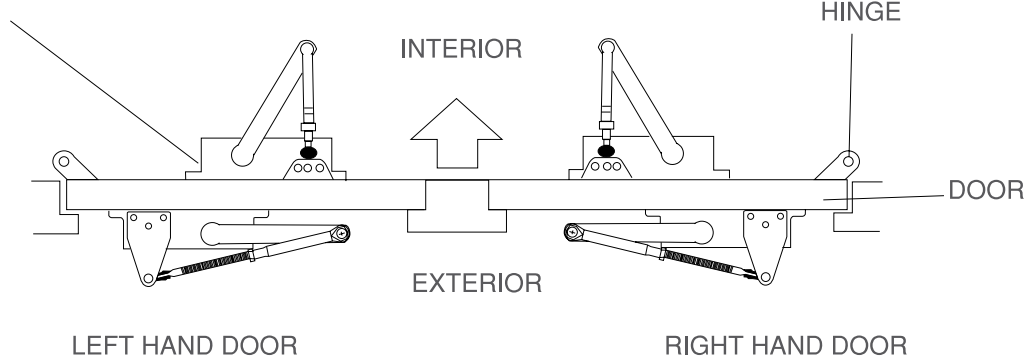
TYPE	Power adjusted
COLOR	Silver
CLOSING POWER	2-5
DOOR TYPE	Steel & Iron
DIMENSIONS	1200 x 2400
DOOR WEIGHT	25 – 120

KD 002/50-401

TYPE	Power adjusted
COLOR	Bronze
CLOSING POWER	2-5
DOOR TYPE	Steel & Iron
DIMENSIONS	1200 x 2400
DOOR WEIGHT	25 – 120



CLOSING SPEED SCREW



DOOR CLOSERS

Sliding Arm



KD-002/40-330
Stainless Steel - Sliding Arm

Stainless Steel
Sliding Arm



KD-002/40-220

Stainless Steel
Sliding Arm



KD-002/40-440

DOOR CLOSERS - SLIDING ARM / TECHNICAL SPECIFICATIONS



KD 002/40-220

TYPE	With sliding arm-3 levels
COLOR	Satin
CLOSING POWER	3 different valve function to adjust closing and latching speed.
DOOR TYPE	Aluminium, PVC, Wooden
DIMENSIONS	900 mm
DOOR WEIGHT	Max 45 kg

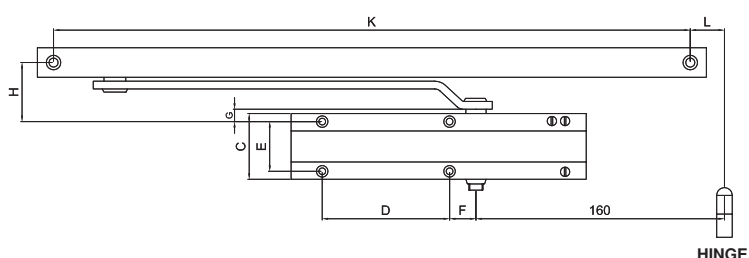
KD 002/40-330

TYPE	With sliding arm-3 levels
COLOR	Satin
CLOSING POWER	when no. 3 valve is closed, it runs on 2 levels
DOOR TYPE	Aluminium, PVC, Wooden, Iron
DIMENSIONS	1000 mm
DOOR WEIGHT	Max 65 kg

KD 002/40-440

TYPE	With sliding arm-3 levels
COLOR	Satin
CLOSING POWER	Adjustable door stopper between 700-1500 mm. stainless body
DOOR TYPE	Aluminium, PVC, Wooden, Iron, Steel
DIMENSIONS	1100 mm
DOOR WEIGHT	Max 90 kg

40-220 40-330 40-440



CODE NO	40-220	40-330	40-440
TYPE	220	330	440
C	42	46	50
D	82	90	93
E	32	35	38
F	17	15	16
G	----	6	----
H	----	38	----
K	----	410	----
L	----	22	----

DOOR CLOSERS

Concealed - Sliding Arm

NEW



KD-002/70-330

Concealed - Sliding Arm



DOOR CLOSERS - CONCEALED - SLIDING ARM

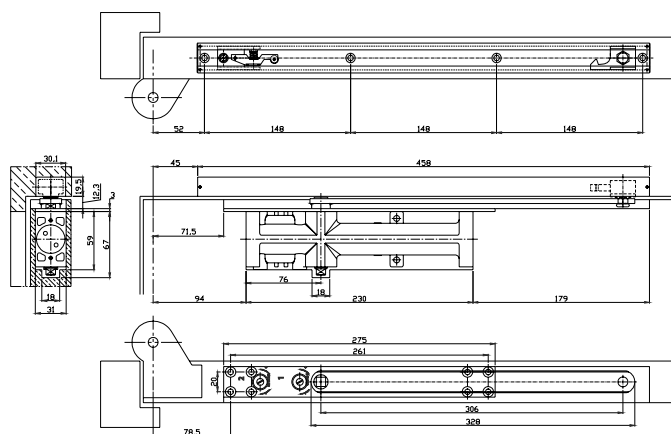
TECHNICAL SPECIFICATIONS



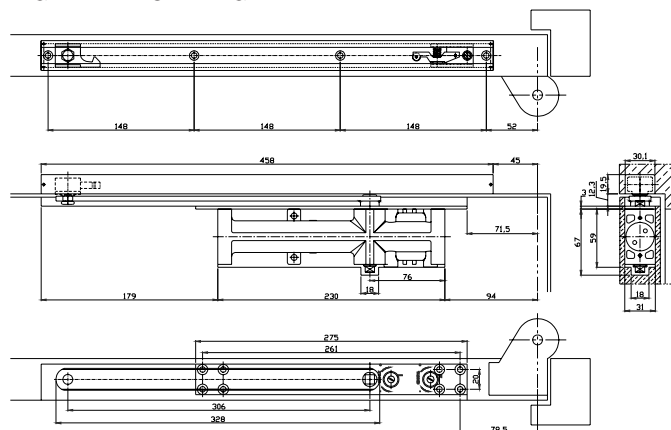
KD 002/70-330

TYPE	With sliding arm-2 levels
COLOR	Silver
CLOSING POWER	2 different valve function to adjust closing and latching speed.
DOOR TYPE	Aluminium, PVC, Wooden
DIMENSIONS	1000 mm
DOOR WEIGHT	Maximum 60 kg

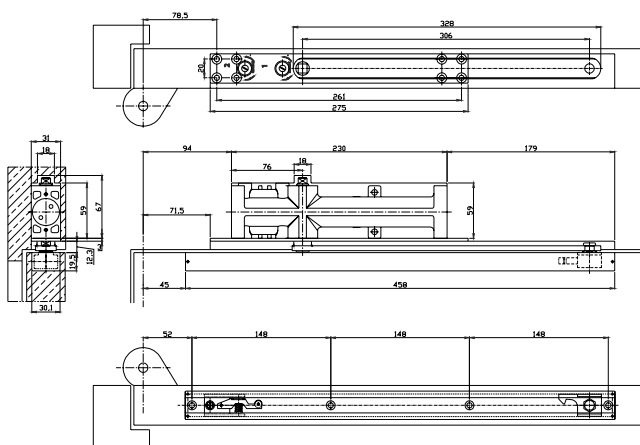
LEFT HAND OPENING



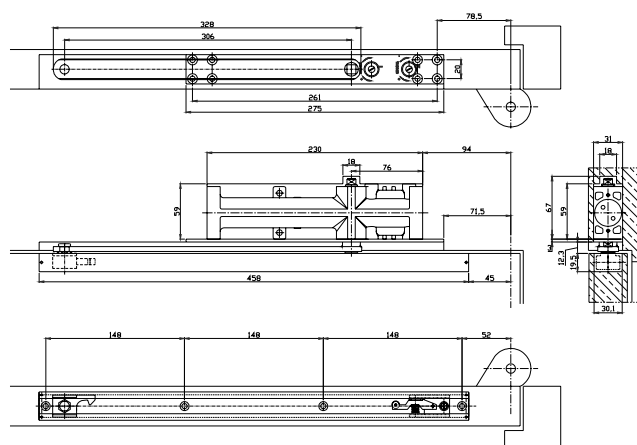
RIGHT HAND OPENING



LEFT HAND OPENING. TOP JAMB INSTALLATION



RIGHT HAND OPENING. TOP JAMB INSTALLATION



ELECTRICAL DOOR OPENERS



KD-012/10-211
Stainless Steel

Multi Type



KD-012/20-124

Monoblock Type



KD-012/20-125

Stainless Steel



KD-012/20-222

**Stainless Steel
Front Plate
Fail Safe**



KD-012/20-311

**Stainless Steel
Front Plate
Fail Safe**



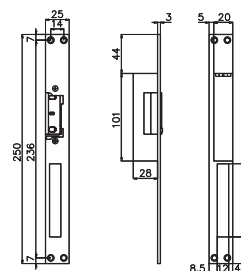
KD-012/20-332

ELECTRICAL DOOR OPENERS - TECHNICAL SPECIFICATIONS



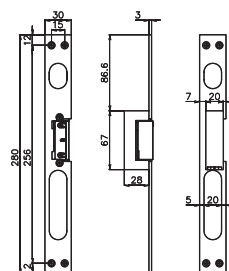
KD 012/10-211

BODY	Zinc Alloy
PLATE	Stainless Steel
LATCH	Zinc Alloy
LOCK TYPE	All Cylindrical Mortise Locks
WORKING TYPE	When energized open (fail secure) / when energy is cut locked
WORKING VOLTAGE	12 Volt AC/DC
APPLICABLE FORCE	250 kg.
USING	Asymmetrical body / suitable for right or left usage



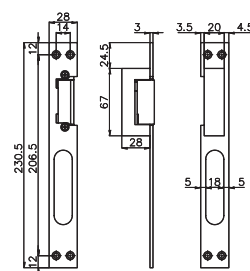
KD 012/20-124

BODY	Zinc Alloy
PLATE	Stainless Steel
LATCH	Zinc Alloy
LOCK TYPE	Multi Type Locks
WORKING TYPE	When energized open (fail secure) / when energy is cut locked
WORKING VOLTAGE	12 Volt AC/DC
APPLICABLE FORCE	250 kg.
USING	Symmetrical body / suitable for right or left usage



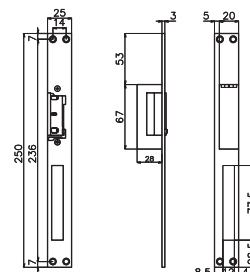
KD 012/20-125

BODY	Zinc Alloy
PLATE	Stainless Steel
LATCH	Zinc Alloy
LOCK TYPE	Monoblok Type Locks
WORKING TYPE	When energized open (fail secure) / when energy is cut locked
WORKING VOLTAGE	12 Volt AC/DC
APPLICABLE FORCE	250 kg.
USING	Symmetrical body / suitable for right or left usage



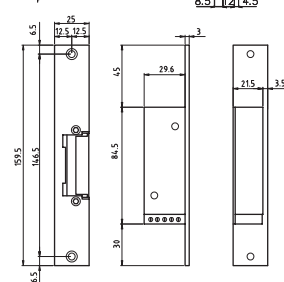
KD 012/20-222

BODY	Zinc Alloy
PLATE	Stainless Steel
LATCH	Zinc Alloy
LOCK TYPE	All Cylindrical Mortise Locks
WORKING TYPE	When energized open (fail secure) / when energy is cut locked
WORKING VOLTAGE	12 Volt AC/DC
APPLICABLE FORCE	250 kg.
USING	Symmetrical body / suitable for right or left usage



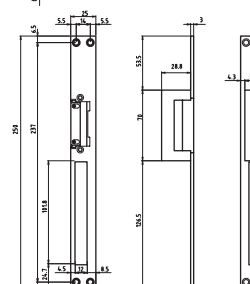
KD 012/20-311

BODY	Zinc Alloy
PLATE	Stainless Steel
LATCH	Iron
LOCK TYPE	All Cylindrical Mortise Locks
WORKING TYPE	When energized locked (fail safe) / when energy is cut open
WORKING VOLTAGE	12 Volt DC
APPLICABLE FORCE	1000 kg.
USING	Asymmetrical body / suitable for right or left usage



KD 012/20-332

BODY	Zinc Alloy
PLATE	Stainless Steel
LATCH	Zinc Alloy
LOCK TYPE	All Cylindrical Mortise Locks
WORKING TYPE	When energized locked (fail safe) / when energy is cut open
WORKING VOLTAGE	12 Volt DC
APPLICABLE FORCE	200 kg.
USING	Symmetrical body / suitable for right or left usage



PANIC DEVICES



KD-040/30-200



KD-040/30-210



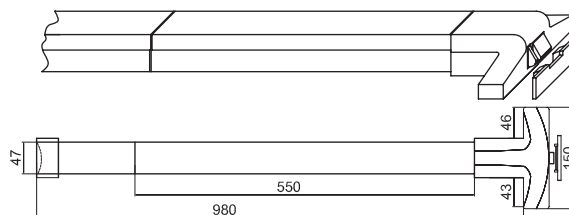
KD-040/30-220

PANIC DEVICES / TECHNICAL SPECIFICATIONS



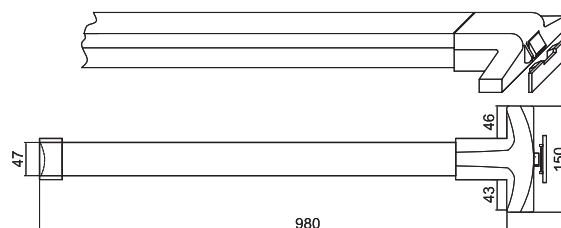
KD 040/30-200

BODY	Stainless steel chassis - Half Arm
INSTALLATION	Horizontal installation for single doors
FUNCTION	Suitable for both left & right -handed doors
LOCKING SYSTEM	Kale cylinder with 3 keys for external opening, touch bar mechanism from inside opening with safety function Optional: From outside by Handle with rosette with 2 keys.
FIRE RESISTANCE	UL certificate - 3 hours fire resistance



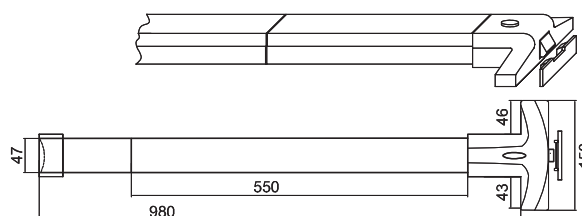
KD 040/30-210

BODY	Painted steel chassis - Full Arm
INSTALLATION	Horizontal installation for single doors
FUNCTION	Suitable for both left & right -handed doors
LOCKING SYSTEM	Kale cylinder with 3 keys for external opening, touch bar mechanism from inside opening with safety function Optional: From outside by Handle with rosette with 2 keys.
FIRE RESISTANCE	UL certificate - 3 hours fire resistance



KD 040/30-220

BODY	Painted steel chassis - Half Arm
INSTALLATION	Horizontal installation for single doors
FUNCTION	Suitable for both left & right -handed doors
LOCKING SYSTEM	Kale cylinder with 3 keys for external opening, touch bar mechanism from inside opening Optional: From outside by Handle with rosette with 2 keys.
CONSTANT FLOW	Dogging mechanism operated by knob



PANIC DEVICES



KD-040/30-250



Optional

Panic Device Handle
Optional



KD-040/30-240



KD-040/30-270



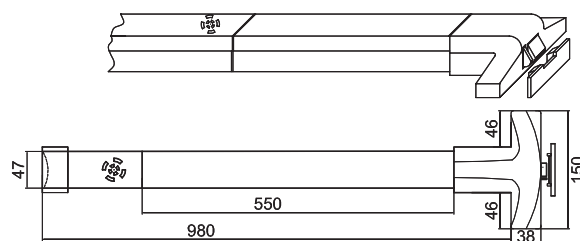
KD-040/30-291

PANIC DEVICES / TECHNICAL SPECIFICATIONS



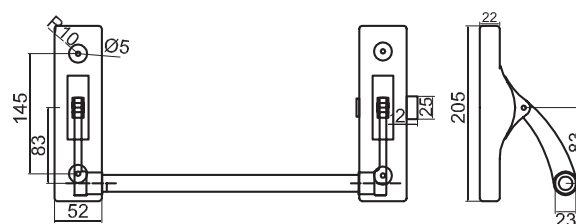
KD 040/30-240

BODY	Steel chassis - Half Arm
INSTALLATION	Horizontal installation for single doors
FUNCTION	Suitable for both left & right -handed doors
LOCKING SYSTEM	Kale cylinder with 3 keys for external opening, Touch bar mechanism from inside opening with safety function Optional: From outside by Handle with rosette with 2 keys.
ALARM	With alarm function



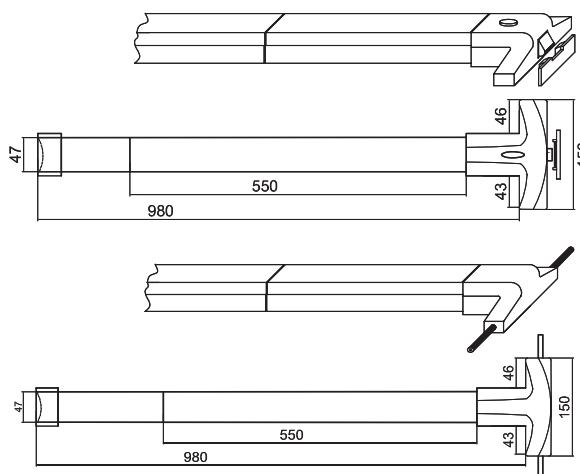
KD 040/30-250

BODY	Steel chassis - 100 cm long metal tube
INSTALLATION	Horizontal installation for single doors
FUNCTION	Suitable for both left & right -handed doors
LOCKING SYSTEM	Kale cylinder with 3 keys for external opening, touch bar mechanism from inside opening
CONSTANT FLOW	Dogging mechanism operated by knob for constant flow Optional: From outside by Handle with rosette with 2 keys.
CERTIFICATE	CE certificate EN 1125



KD 040/30-270

BODY	Steel chassis - Half Arm
INSTALLATION	For double doors
FUNCTION	Suitable for both left & right -handed doors
LOCKING SYSTEM	Standard: From outside by Kale cylinder with 2 keys , from inside by using locking mechanism with bar. Optional: From outside by Handle with rosette with 2 keys. On fixed leaf : Locking by steel bar mechanism as lower & upper location
OPEN-CLOSE FUNCTION	Automatic deadbolt & latch locking system



CYLINDRICAL DOOR KNOBSETS

Privacy Type



KD-040/30-300

Privacy Type

Plain from outside
Button from inside
Mat satin



KD-040/30-301

Privacy Type

Plain from outside
Button from inside
Brass

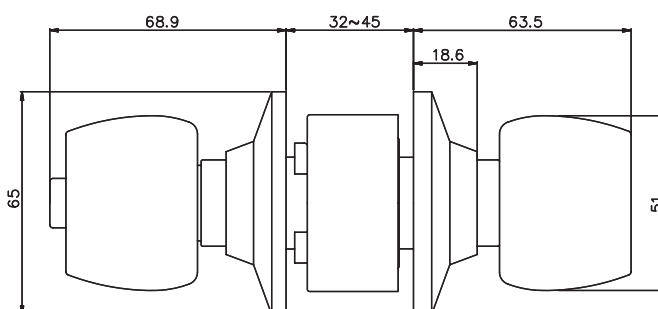
CYLINDRICAL DOOR KNOBSETS - BATHROOM & WC

TECHNICAL SPECIFICATIONS



KD 040/30-300 • KD 040/30-301

COLOR	Mat satin- brass
TYPE	Bathroom & WC
DOOR THICKNESS	32 - 45 mm
CENTRE LENGTH	60 mm / 70mm latch adjustable
INSTALLATION	Left-right opening
SAFETY BUTTON	No
LOCKING BUTTON	Yes
AUTOMATIC LOCKING	No
OPENING-CLOSING FUNCTION	Closing by locking button from inside, opening by turning handle only
KEY	No
MASTER KEY SYSTEM	N / A
MASTER LEVEL	N / A



CYLINDRICAL DOOR KNOBSETS

Store Type



KD-040/30-310

Store Type

Outside key operation
Plain from inside
Mat Satin



KD-040/30-311

Store Type

Outside key operation
Plain from inside
Brass

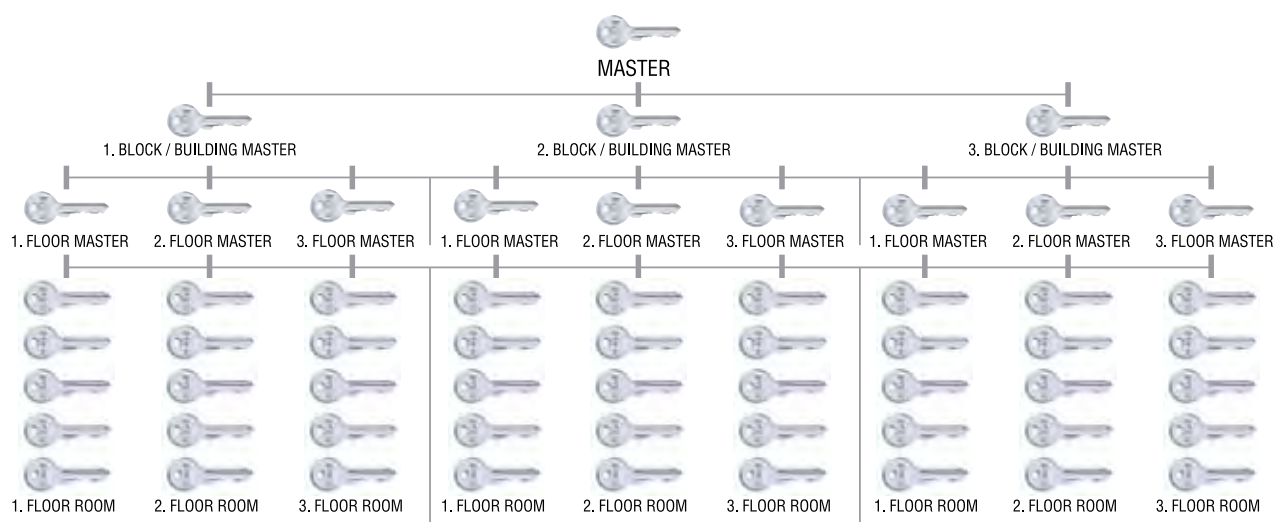
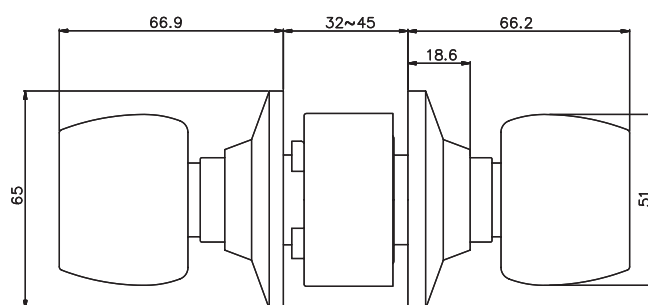
CYLINDRICAL DOOR KNOBSETS - PRIVACY TYPE

TECHNICAL SPECIFICATIONS



KD 040/30-310 • KD 040/30-311

COLOR	Mat satin-brass
TYPE	Store type
DOOR THICKNESS	32-45 mm
CENTRE LENGTH	60 mm / 70mm latch adjustable
INSTALLATION	Left-right opening
SAFETY BUTTON	Yes
LOCKING BUTTON	No
AUTOMATIC LOCKING	Yes
OPENING-CLOSING FUNCTION	Opening by knob from inside, by key from outside
KEY	Standard 3 pieces
MASTER KEY SYSTEM	Optional
MASTER LEVEL	5 levels



NOTE: 5 LEVEL MASTER CAN BE MADE

CYLINDRICAL DOOR KNOBSETS

Entrance Type



KD-040/30-320

Entrance type

Key operation from outside
Button locking from inside
Mat satin



KD-040/30-321

Entrance type

Key operation from outside
Button locking from inside
Brass

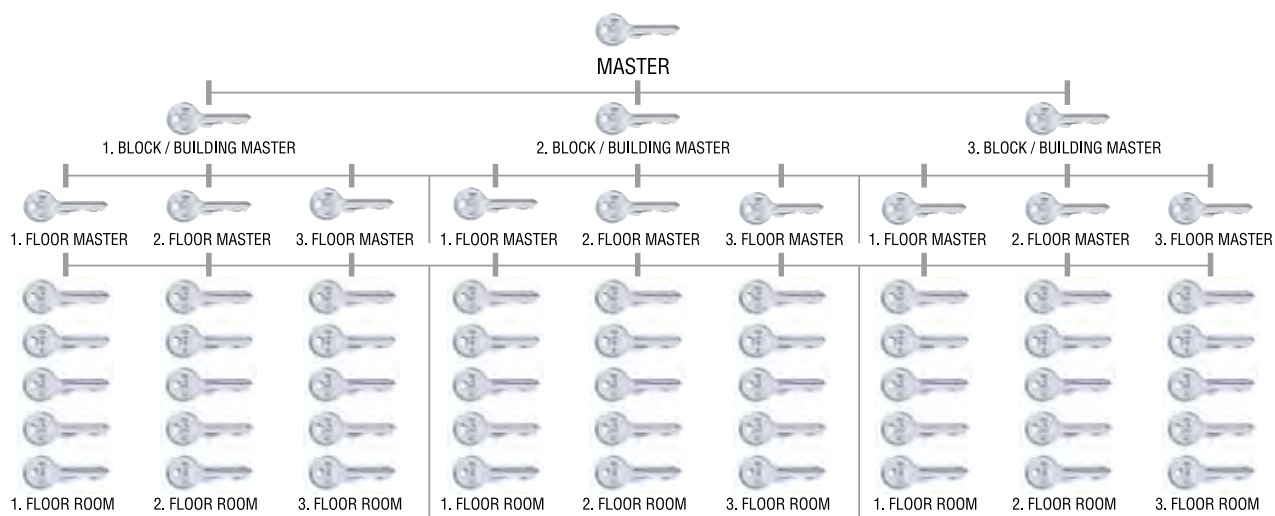
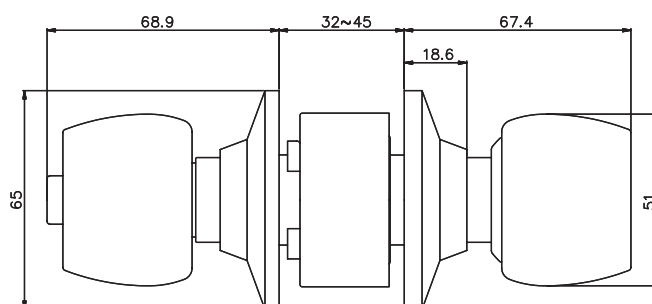
CYLINDRICAL DOOR KNOBSETS - ENTRANCE TYPE

TECHNICAL SPECIFICATIONS



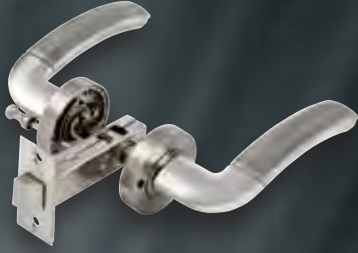
KD 040/30-320 • KD 040/30-321

COLOR	Mat satin- brass
TYPE	Entrance type
DOOR THICKNESS	32 - 45 mm
CENTRE LENGTH	60 mm / 70mm latch adjustable
INSTALLATION	Left-right opening
SAFETY BUTTON	Yes
LOCKING BUTTON	Yes
AUTOMATIC LOCKING	No
OPENING-CLOSING FUNCTION	Opening by knob from inside, by key from outside
KEY	Standard 3 pieces
MASTER KEY SYSTEM	Optional
MASTER LEVEL	5 level



NOTE: 5 LEVEL MASTER CAN BE MADE

LEVER HANDLE LOCKS



KD-040/30-400

Locking Pin
Satin Nickel



KD-040/30-401

Locking Pin
Satin Brass



KD-040/30-402

Locking Pin
Satin Nickel



KD-040/30-403

Locking Pin
Satin Brass

LEVER HANDLE LOCKS / TECHNICAL SPECIFICATIONS



KD 040/30-400

COLOR	Satin Nickel
TYPE	Inner Doors
DOOR THICKNESS	35-45 mm
LATCH LENGTH	60 mm
INSTALLATION	Left & right opening doors
LOCKING BUTTON	Yes
CLOSING-OPENING FUNCTION	Closing by locking button from inside, opening by turning the handle only.
EMERGENCY MODE OPENING	Yes
ROSETTE DIAMETER	50,9 mm

KD 040/30-401

COLOR	Satin Brass
TYPE	Inner Doors
DOOR THICKNESS	35-45 mm
LATCH LENGTH	60 mm
INSTALLATION	Left & right opening doors
LOCKING BUTTON	Yes
CLOSING-OPENING FUNCTION	Closing by locking button from inside, opening by turning the handle only.
EMERGENCY MODE OPENING	Yes
ROSETTE DIAMETER	50,9 mm

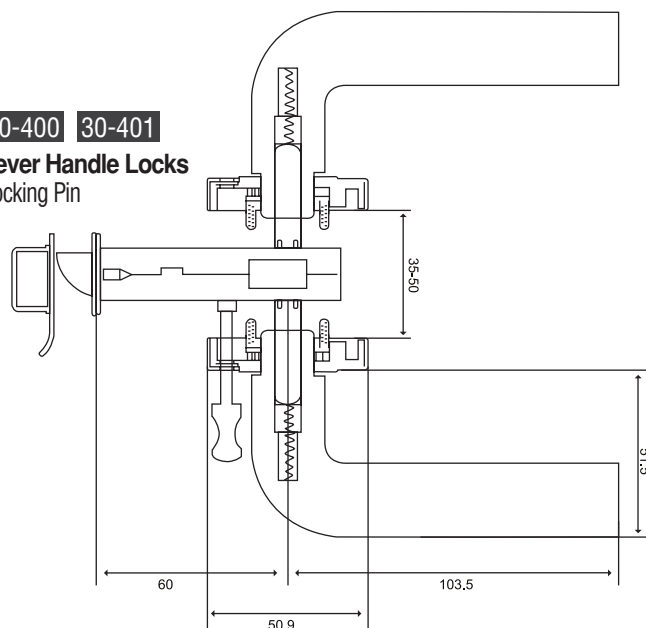
KD 040/30-402

COLOR	Satin Nickel
TYPE	Inner Doors
DOOR THICKNESS	35-45 mm
LATCH LENGTH	60 mm
INSTALLATION	Left & right opening doors
LOCKING BUTTON	Yes
CLOSING-OPENING FUNCTION	Closing by locking button from inside, opening by turning the handle only.
EMERGENCY MODE OPENING	Yes
ROSETTE DIAMETER	50,9 mm

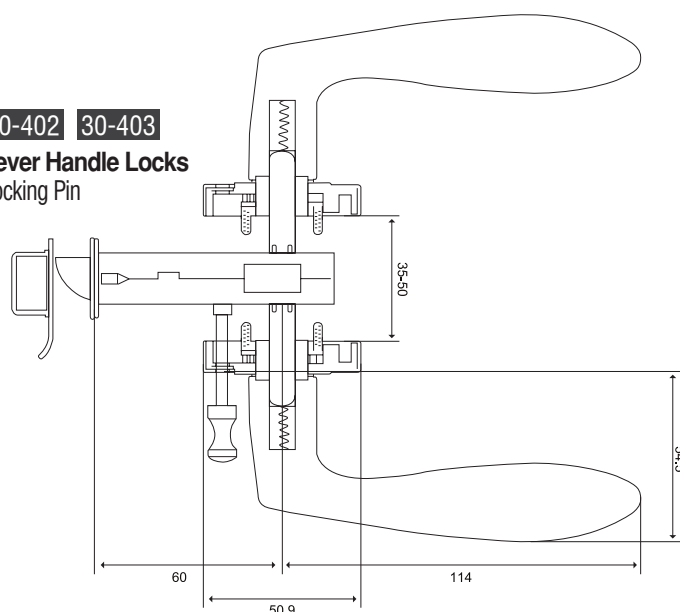
KD 040/30-403

COLOR	Satin Brass
TYPE	Inner Doors
DOOR THICKNESS	35-45 mm
LATCH LENGTH	60 mm
INSTALLATION	Left & right opening doors
LOCKING BUTTON	Yes
CLOSING-OPENING FUNCTION	Closing by locking button from inside, opening by turning the handle only.
EMERGENCY MODE OPENING	Yes
ROSETTE DIAMETER	50,9 mm

30-400 30-401
Lever Handle Locks
Locking Pin



30-402 30-403
Lever Handle Locks
Locking Pin





ELECTRONIC GROUP

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CARD OPERATED LOCKS

Modern Series / Mifare Technology / Hotel Type



KD-040/80-620

Modern Series - Chrome

KD-040/80-624

Modern Series - Satin



KD-040/80-621

Modern Series - Brass

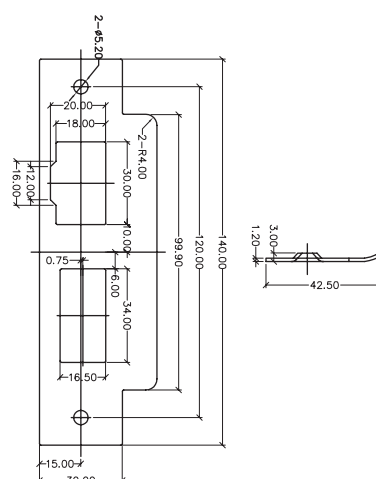
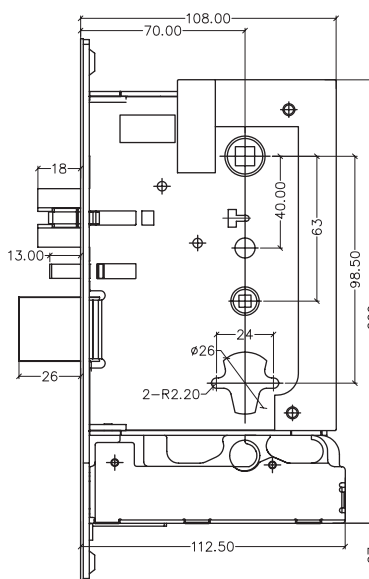
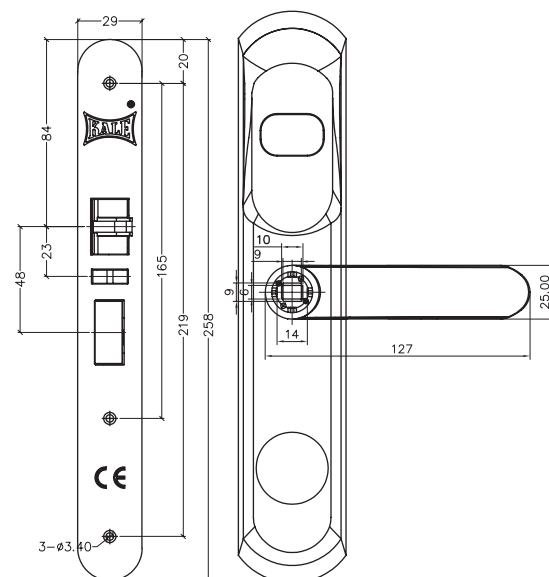


CARD OPERATED LOCKS - MODERN SERIES

TECHNICAL SPECIFICATIONS



KD 040/80-620 • KD 040/80-621 • KD 040/80-624	
SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage, the door is not closed
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening after-wards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	Real time PHILIPS 8563
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,3 Kg
DOOR THICKNESS	38mm-65mm
DOOR WIDTH	Min. 115mm
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Visual
LOCKING	With micro electronic motor
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Audio alarm



CARD OPERATED LOCKS

Modern Series / Mifare Technology / Hotel Type

KD-040/80-630

Modern Series - Satin



KD-040/80-631

Modern Series - Brass

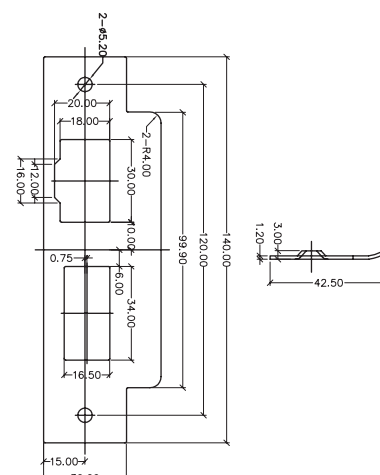
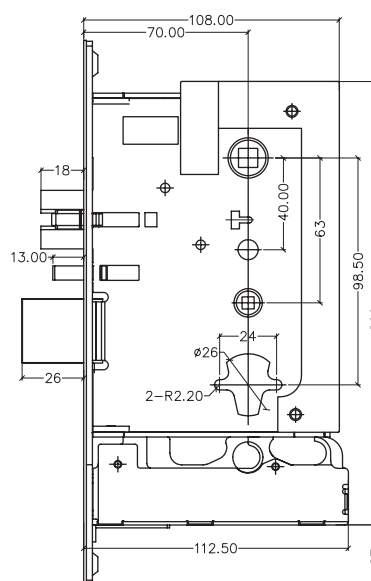
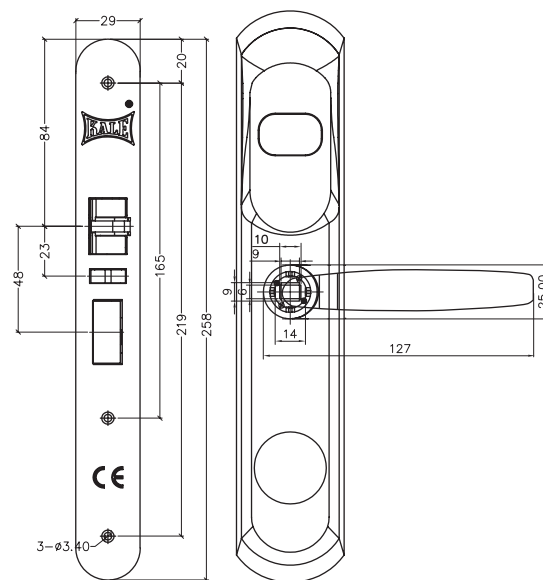
CARD OPERATED LOCKS - MODERN SERIES

TECHNICAL SPECIFICATIONS



KD 040/80-630 • KD 040/80-631

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage, the door is not closed
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening after-wards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	Real time PHILIPS 8563
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,3 Kg
DOOR THICKNESS	38mm-65mm
DOOR WIDTH	Min. 115mm
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Visual
LOCKING	With micro electronic motor
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Audio alarm



CARD OPERATED LOCKS

Stainless Series / Mifare Technology / Hotel Type

NEW



KD-040/80-800

Stainless Series - Stainless Steel



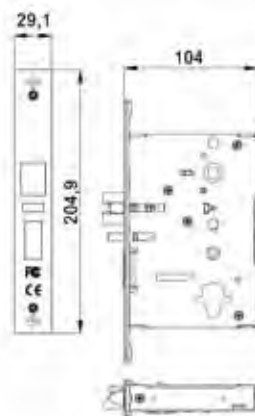
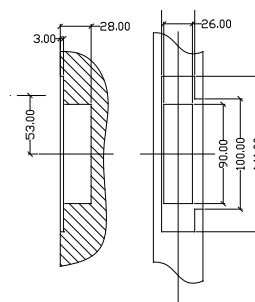
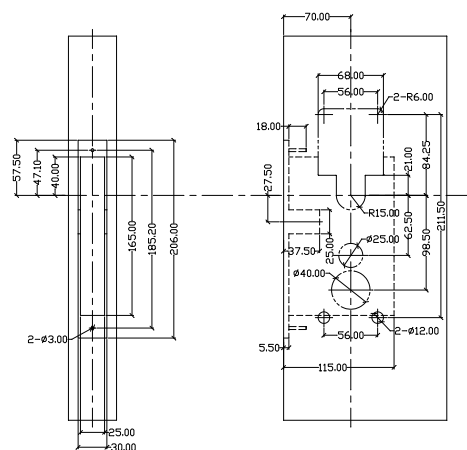
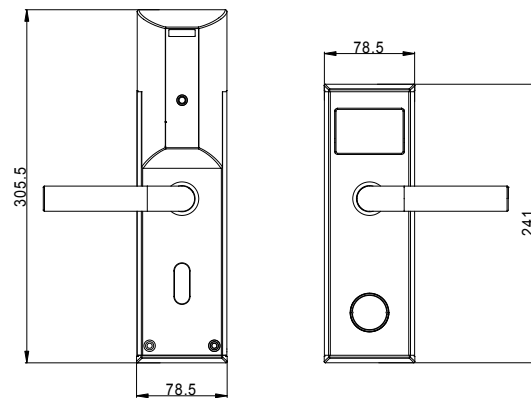
CARD OPERATED LOCKS - STAINLESS SERIES

TECHNICAL SPECIFICATIONS



KD 040/80-800

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	mcu RTC
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,05 Kg (include mortise and cylinder)
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 110mm
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
LOCKING	With micro electronic motor
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual
USING	Suitable for outdoor use



CARD OPERATED LOCKS

Electromechanical / Mifare Technology / Hotel Type

KD-040/87-122

Electromechanical Series - Matte Chrome



KD-040/87-123

Electromechanical Series - Matte Brass

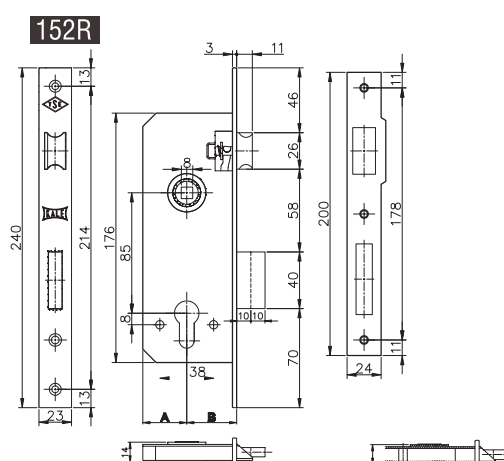
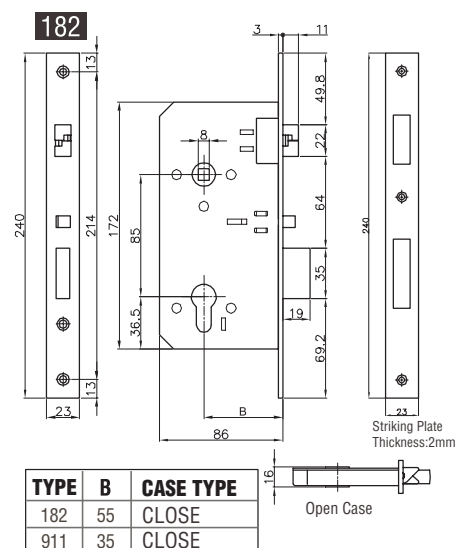
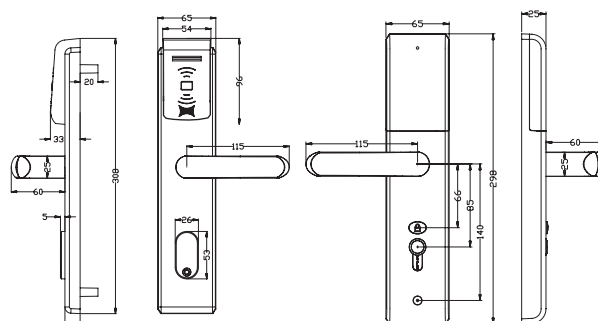
CARD OPERATED LOCKS - ELECTROMECHANICAL SERIES

TECHNICAL SPECIFICATIONS



KD 040/87-122 • KD 040/87-123

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	PFC8563
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,2 Kg
DOOR THICKNESS	40mm-65mm
DOOR WIDTH	Min. 90mm (May change depending on mortise lock)
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
APPLICABLE MORTISE	182, 911, 152R series
LOCKING	With micro electronic motor
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



TYPE	B	A	CASE TYPE
152R	35	31	CLOSE
152R	40	26	CLOSE
152R	45	26	OPEN
152R	60	27	OPEN

CARD OPERATED LOCKS

Luxury Series / Mifare Technology / Hotel Type

NEW



KD-040/87-220

Luxury Series - Satin

Mifare Card Technology



Hidden Cylinder



Electronic
Locking Button



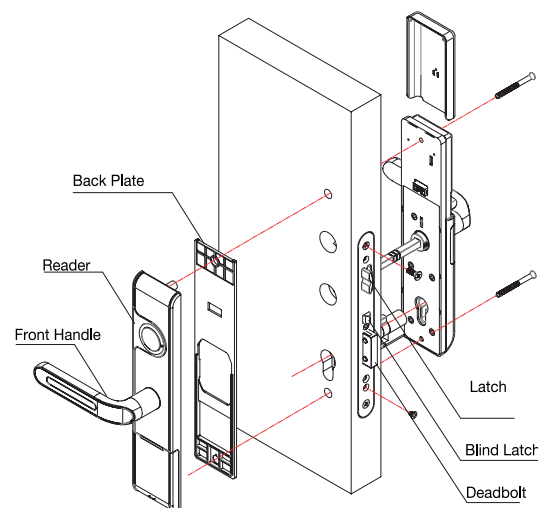
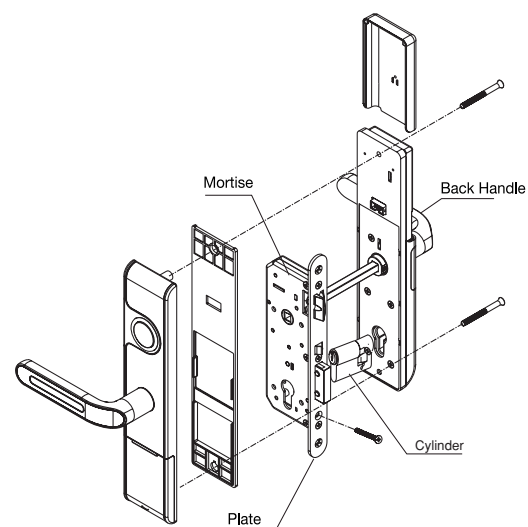
CARD OPERATED LOCKS - LUXURY SERIES

TECHNICAL SPECIFICATIONS

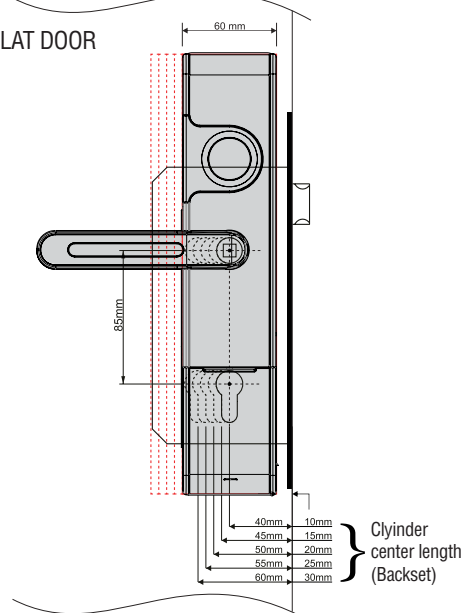


KD 040/87-220

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	mcu RTC
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,15 Kg (include 35mm mortise and cylinder)
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 75mm (May change depending on mortise lock)
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
APPLICABLE MORTISE	Optional (cylinder mortise lock)
LOCKING	With micro electronic motor
VISUAL ALERT	Yes
SLIDING TYPE CYLINDER COVER	Yes
BACK PLATE	Yes
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



FLAT DOOR



CARD OPERATED LOCKS

Luxury Series / Mifare Technology / Hotel Type



KD-040/87-250
Luxury Series - Satin

Mifare Card Technology



Hidden Cylinder



Electronic
Locking Button



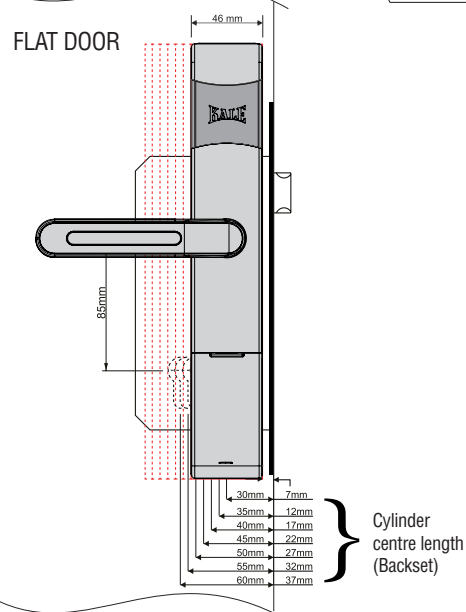
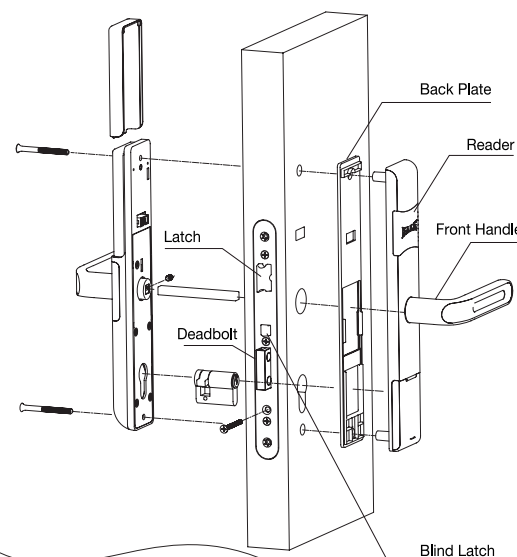
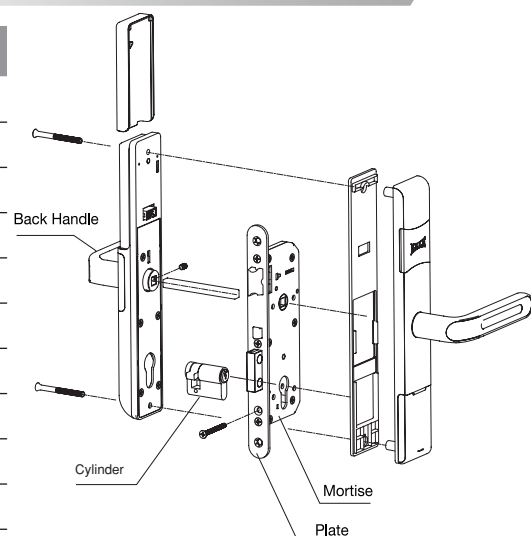
CARD OPERATED LOCKS - LUXURY SERIES

TECHNICAL SPECIFICATIONS



KD 040/87-250

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	mcu RTC
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (3 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	3 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,15 Kg (include 35mm mortise and cylinder)
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 75mm (May change depending on mortise lock)
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
APPLICABLE MORTISE	Optional (cylindrical mortise lock)
LOCKING	With micro electronic motor
VISUAL ALERT	Yes
SLIDING TYPE CYLINDER COVER	Yes
BACK PLATE	Yes
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



CARD OPERATED LOCKS

Latched Series / Mifare Technology / Hotel Type

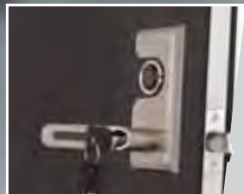
NEW



KD-040/90-700

Latched Series - Satin

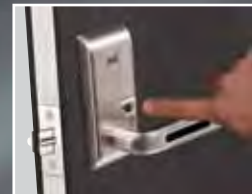
Hidden Cylinder



Mifare Card Technology



Electronic Locking Button



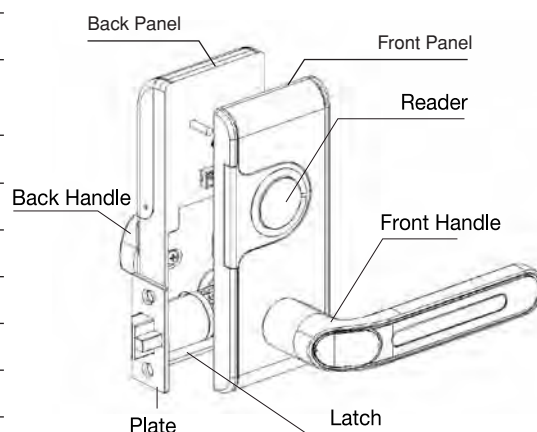
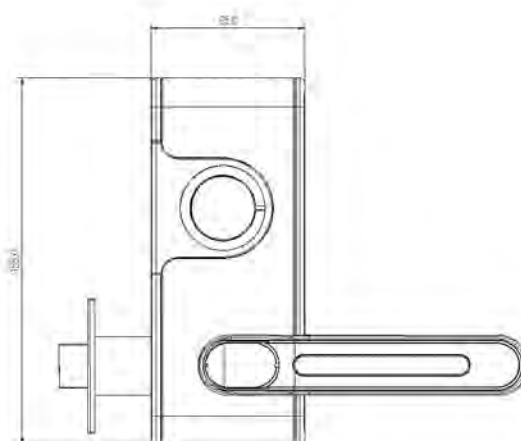
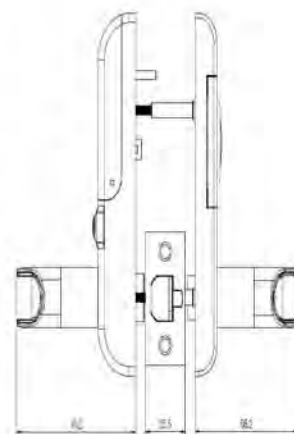
CARD OPERATED LOCKS - LATCHED SERIES

TECHNICAL SPECIFICATIONS



KD 040/90-700

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	mcu RTC
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	1,93 Kg
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 95mm (May change depending on mortise lock)
LATCH DIMENSION	60mm or 70mm latch adjustable
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
LOCKING	With micro electronic motor
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



CARD OPERATED LOCKS

Rosette Series / Mifare Technology / Hotel Type



KD-040/88-100

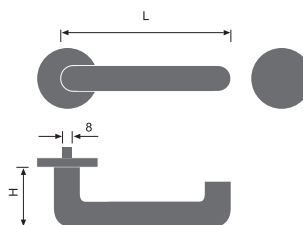
Rosette Series - Satin

CARD OPERATED LOCKS - ROSETTE SERIES

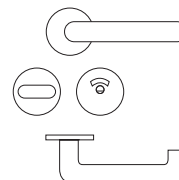
TECHNICAL SPECIFICATIONS



Chrome



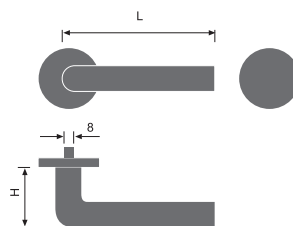
Bathroom WC Type



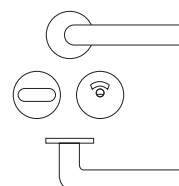
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LENGTH	130	140	140
HEIGHT	60	65	65
DIAMETER	16	19	20



Brass



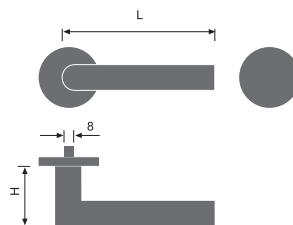
Bathroom WC Type



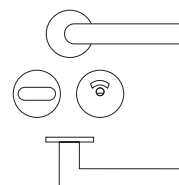
DIMENSIONS	19	20	22
LENGTH	130	140	140
HEIGHT	60	65	65
DIAMETER	16	19	20



Satin



Bathroom WC Type



DIMENSIONS	19	20	22
LENGTH	130	140	140
HEIGHT	60	65	65
DIAMETER	16	19	20

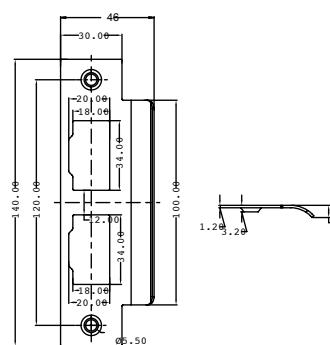
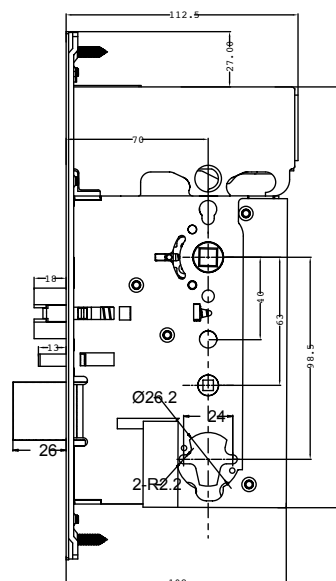
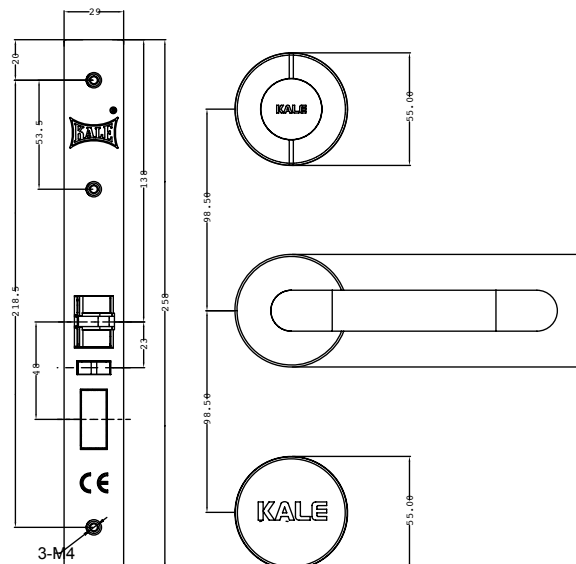


CARD OPERATED LOCKS - ROSETTE SERIES

TECHNICAL SPECIFICATIONS

KD 040/88-100

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage, the door is not closed
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	Real time PHIL IPS 8563
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, appr. 1 year
WEIGHT	3,3 Kg
DOOR THICKNESS	38mm-65mm
DOOR WIDTH	Min. 120mm
RECORD MEMORY	1000 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Visual
LOCKING	With micro electronic motor
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



CARD OPERATED LOCKS SYSTEM DEVICES

MIFARE TECHNOLOGY



KD 040/90-513

WORKING FREQUENCY	13,56 MHz
COMMUNICATION SPEED	106 Kb
MEMORY	1 Kb CMOS EEPROM
READING	Apprx. 100.000 times
WORKING TEMPERATURE	-25 °C ~+ 70 °C
COMMUNICATION PROTOCOL	ISO/IEC 14443 A
CARD STANDARD	ISO/IEC 7810

Smart Card



KD 040/90-518

POWER SUPPLY	USB 5V
WORKING CURRENT	<100mA
WORKING FREQUENCY	13.56MHz
WORKING TEMPERATURE	-20°C~+60°C
HUMIDITY RATE	15~95%RH
COMPATIBILITY	Win XP up to / 32-64 bit

Card Coding Unit



KD 040/50-101 • KD 040/50-102

POWER SUPPLY	USB 5V
WORKING CURRENT	<100mA
WORKING TEMPERATURE	-20°C~+60°C
HUMIDITY RATE	15~95%RH

Program USB Key

50-101 Lite version



50-102 Standard version

KD 040/90-902

MAIN	CPU: ARM9 / Main frequency: 120MHz / Memory: RAM: 8M byte Flash: 2M ++ byte
SCREEN	FSTN, support 32-scale grey display / Display Range: 160*160 Contrast : Adjustable with keypad / Backlight: EL backlight
RFID	A: Frequency: 13.56MHz ISO-15693 & ISO-14443A/B (1)ISO-15693, (2)ISO-14443A/B
COMMUNICATION	IrDA1.1, distance: 0-20 cm RS-232: 9600bps-115200bps
CLOCK	Clock Format: YYYY-MM-DD HH-MM-SecSec
SAFETY MODULE	PSAM
ELECTRIC	Rechargeable Lithium-ion 1800mAh / Voltage: 3.7 - 4.2V DC
PHYSICAL	Dimensions: 185mm L x 70mm W x 35mm H Weight: 300g
ENVIRONMENTAL	Temperature: -5°C~50°C, Humidity: 30%~85%, Sealing: IP54 Shock Resistance: 150cm to concrete

Hand Terminal Device





CARD OPERATED LOCK MANAGEMENT SOFTWARE

MIFARE TECHNOLOGY

KD 040/90-525 • KD 040/90-526

SOFTWARE REQUIREMENTS	Windows XP or higher versions 32/64 bits OS
RAM	128 ram or more capacity
HARD DISC CAPACITY	2G or more memory capacity
COMPABILITY WITH OTHER HOTEL MANAGEMENT SYSTEMS	Yes
CHANGING USER CODE	Yes
NUMBER OF USERS	Limitless
PLUG IN CARD ENCODER	Yes
CONNECTION PORT	USB
SYSTEM ENTRY & EXIT	User code or unlocking code
EASY BUILDING STRUCTURE THROUGH FLEXIBLE INTERFACE	Yes
HOTEL ID CODE	Yes
LIMITATION OF AUTHORIZATION FOR ADDING & DELETING USER	Yes
ISSUING CARDS WITH TIME LIMITATION	Yes
ISSUING GUEST CARD	Yes
ISSUING MASTER CARD	Yes
ISSUING EMERGENCY CARD	Yes
ISSUING TERRITORIAL CARDS WITHIN PREMISES	Yes
ISSUING MAID CARDS WITH SPECIFIED TIME LIMITATION	Yes
ISSUING BUILDING CARD	Yes
ISSUING BUILDING ENTRY CARD	Yes
ISSUING LOST REPORT CARD FOR CANCELLING AUTHORIZATION OF LOST CARD	Yes
MAKING ROOM STRUCTURE THROUGH HAND TERMINAL WITHOUT CARD	Yes
ASSIGNING PUBLIC DOOR	Yes
ISSUING CARDS FOR SPECIAL ROOM PACKAGE	Yes
ISSUING LIMITLESS GUEST CARD WITHOUT USING COMPUTER	Yes
RETRIEVING OF OPENING RECORDS BY CARD OR HAND TERMINAL	Yes
RETRIEVING OF OPENING RECORDS FROM SEVERAL ROOMS	Yes
DETAILED CARD INFORMATION	Yes
CREATING REPORTS OF ISSUED CARDS	Yes
CREATING REPORTS OF DAILY / WEEKLY / MONTHLY CHECK -IN	Yes
DETAILED GUEST CARD INFORMATION	Yes
CHECKING SOFTWARE OPERATIONAL RECORDS	Yes
ISSUING GROUP CARDS	Yes
SETTING OF CHECK OUT TIME	Yes
EXTENDED STAY	Yes
EASY ROOM CHANGE	Yes
ISSUING TIME SETTING & CONSTRUCTION CARD	Yes
MECHANICAL KEY OPENING FOR EMERGENCY CASES	Yes
SYSTEM'S CARD SPECIFICATIONS	16 sectors/13.56MHz
CARD CHIP CAPACITY	8K bit
LOCKSET	By radio signal electro-mechanic with PCB
KEEPING OPENING RECORDS IN LOCK MEMORY	yes / last 1000 pcs entry & out
AUTOMATIC BACK UP	Yes
WITH NETWORK BACKGROUND	Yes
UNCOPIED CARD PASSWORD	Yes
AUTOMATIC ROOM ASSIGNING AT THE END OF RESERVATION	Yes
ISSUING GUEST CARD THROUGH HOTEL MANAGEMENT SYSTEM	Yes
ASSIGNING OF DETAILED AUTHORIZATION RIGHTS TO OPERATORS	Yes
KEEPING RECORDS OF OPERATORS WHO ISSUES OR DELETES CARDS IN DATABASE	Yes
SQL DATABASE WITH LIMITLESS DATA CAPACITY	Yes
ASSIGNING SEVERAL AUTHORIZATION INTO THE SAME CARD	Yes
SINGLE OR NETWORK VERSION OPERATING BY USB DONGLE	Yes
ASSIGNING AUTHORIZATION INTO THE SAME CARD FOR CALLING LIFT UNIT	Yes
DELETING AUTHORIZATION OF LOST MASTER CARD	Yes
MAINTAINING THE SECURITY OF SYSTEM'S OPERATIONS BY USING DONGLE THROUGH REMOTE PC	Yes
NETWORK BASED (SERVER - CLIENT) SOFTWARE TECHNOLOGY	Yes



ENERGY SAVER & ENERGY CONTROL UNIT

MIFARE TECHNOLOGY



KD 040/90-532

WORKING VOLTAGE	50/60Hz 100-250VAC
DELAYED CLOSING	15 sec.
TOTAL CURRENT	2x16 A role
WORKING FREQUENCY	13.56 MHz
CARD TECHNOLOGY	MF1K S50/S70 & MF0 ultralight U10 01
SYSTEM	NXP integrated chip
SERVICE LIFE	100.000 times
WORKING TEMPERATURE	-10 °C , + 60 °C
HUMIDITY RATE	10-95 % RH
FRONT DIMENSION	W 86 mm x L 86 mm x H 46 mm
BACK DIMENSION	W 30 mm x Diameter 57.55 mm
INDICATOR LAMP	Blue LED light indicates power connection and standby mode. When a valid card is inserted blue led light goes off.
WORKING SPECIFICATIONS	Authorizing of AC system

Energy Saver Unit



KD 040/90-533

WORKING VOLTAGE	8-15 V AC /DC
DELAYED CLOSING	15 sec.
WORKING FREQUENCY	13.56 MHz
CARD TECHNOLOGY	MF1K S50/S70 & MF0 ultralight U10 01
SYSTEM	NXP integrated chip
SERVICE LIFE	100.000 times
WORKING TEMPERATURE	-10 °C, + 60 °C
HUMIDITY RATE	10-95 % RH
FRONT DIMENSION	W 86 mm x L 86 mm x H 46 mm
BACK DIMENSION	W 30 mm x Diameter 57.55 mm
INDICATOR LAMP	2 different color , red light indicates power connection and standby mode. When a valid card is inserted its turns green light.
WORKING SPECIFICATIONS	Operating only by its own room card & signal is being sent to control unit with verification of room card. CE certified

Energy Saver Unit



KD 040/90-534

WORKING VOLTAGE	AC 50/60 Hz, 95-250 V
WORKING CURRENT	30A NC role (max. 30 A, standard 16A)
SERVICE LIFE	100.000 times
WORKING TEMPERATURE	-10 °C, + 60 °C
HUMIDITY RATE	10-95 % RH
DIMENSION	W 107 mm x L 87.5 mm x H 59 mm
METAL BAR THICKNESS	Metal bar thickness : EN 50022 DIN standard bar (width 35 mm)
WORKING SPECIFICATIONS	<ul style="list-style-type: none"> • 1 pc dry contact output for VRV & VRF systems • Control output with 2 functions (dry contact 1 pc) • Magnetic contact input 1 pc • Air conditioning , VRV & VRF systems do only operate when door is closed . CE certified

Energy Control Unit



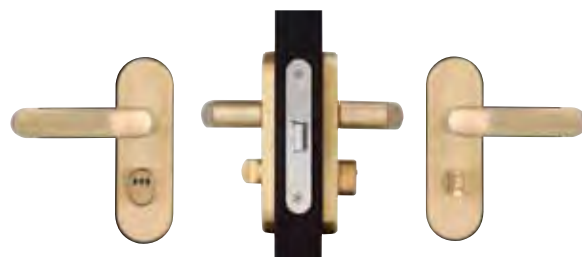
KD 045/10-100 • KD 045/10-104

COLOR	Chrome
WEIGHT	1.4 Kgs
DOOR THICKNESS	Between 37 - 60 mm
DOOR WIDTH	Minimum 80 mm
INDICATOR	Red for occupied, green for vacant
CONVENIENT DESIGN	Handle operated from inside
STYLE	Style matches the electronic locks of main door



KD 045/10-101

COLOR	Satin Brass
WEIGHT	1.4 Kgs
DOOR THICKNESS	Between 37 - 60 mm
DOOR WIDTH	Minimum 80 mm
INDICATOR	Red for occupied, green for vacant
CONVENIENT DESIGN	Handle operated from inside
STYLE	Style matches the electronic locks of main door



KD 045/10-110

COLOR	Satin
WEIGHT	1.2 Kgs
DOOR THICKNESS	Between 37 - 60 mm
DOOR WIDTH	Minimum 80 mm
INDICATOR	Red for occupied, green for vacant
CONVENIENT DESIGN	Handle operated from inside
STYLE	Style matches the electronic locks of main door



TOUCH PANEL SET



KD 040/95-510	
MATERIAL	LED backlight, black acrylic
DIMENSIONS	Width:105 mm Length:170 mm Height:14 mm
VOLTAGE	50/60 Hz 110: 220 – 240 V AC
HUMIDITY RATE	50 °C 10-95 % RH
WORKING TEMPERATURE	- 10 °C + 60 °C
TYPE	Rectangle
STYLE	Style matches the design of electronic locks

KD 040/95-520	
MATERIAL	Chrome frame, black acrylic body
DIMENSIONS	Width: 51 mm Length: 65 mm Height: 27 mm
VOLTAGE	50/60 Hz 110 -240 VAC
WORKING CURRENT	4 A
HUMIDITY RATE	50 °C 10-95 % RH
WORKING TEMPERATURE	- 10 °C + 60 °C
3 FUNCTIONS	Do not disturb, make up, please wait
STYLE	Square

KD 040/95-530	
MATERIAL	Acrylic
DIMENSIONS	Width: 105 mm Length: 155 mm Height :45mm
VOLTAGE	50/60 Hz 110 -240 VAC
HUMIDITY RATE	50 °C 10-95 % RH
WORKING TEMPERATURE	- 10 °C + 60 °C

Outdoor Panel



Indoor Touch Panel



Door Bell



CARD OPERATED LOCKS

Luxury Series / Office Type



KD-040/87-230

Luxury Series - Satin

Mifare Card Technology



Hidden Cylinder



Electronic
Locking Button



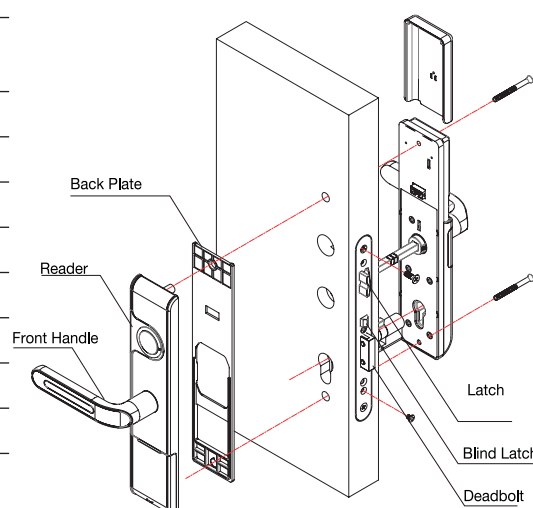
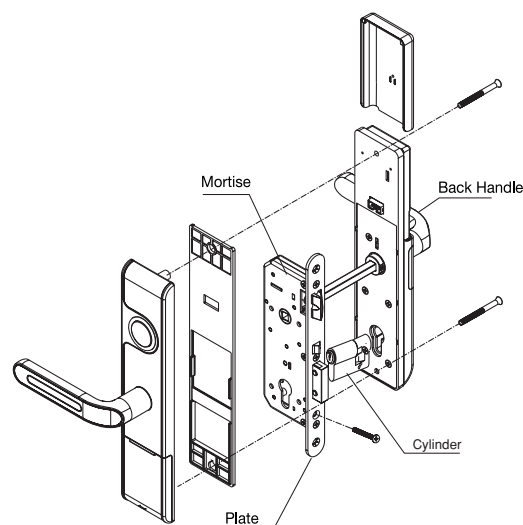
CARD OPERATED LOCKS - LUXURY SERIES

TECHNICAL SPECIFICATIONS

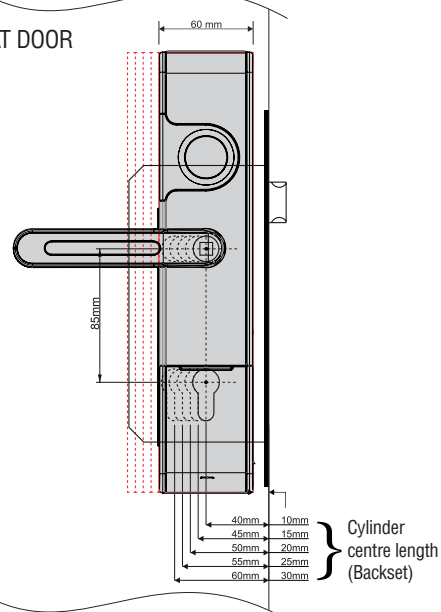


KD 040/87-230

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	mcu RTC
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,15 Kg (include 35mm mortise and cylinder)
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 75mm (May change depending on mortise lock)
RECORD MEMORY	200 pcs.
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
APPLICABLE MORTISE	Optional (cylindrical mortise lock)
LOCKING	With micro electronic motor
VISUAL ALERT	Yes
SLIDING TYPE CYLINDER COVER	Yes
BACK PLATE	Yes
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



FLAT DOOR



* Please refer to page 66 for more information and functions.

KEYPAD LOCK

Luxury Series / Office Type



KD-040/87-244

Luxury Series - Satin

Permanent / OTC system



Hidden Cylinder



Electronic
Locking Button



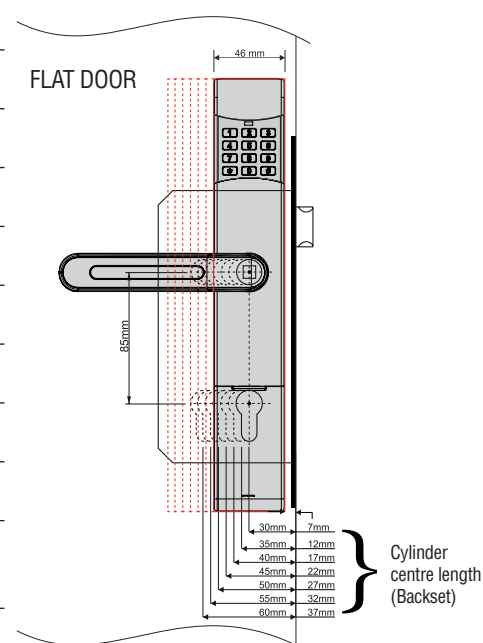
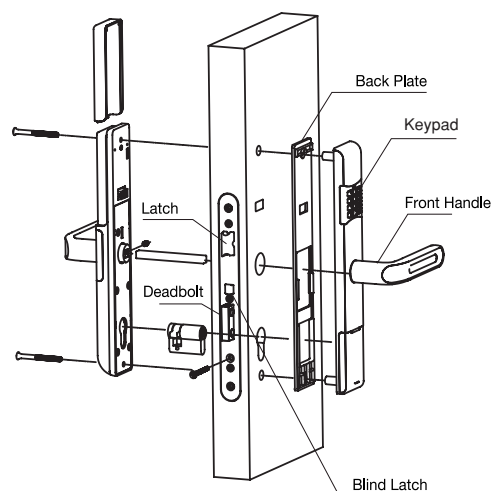
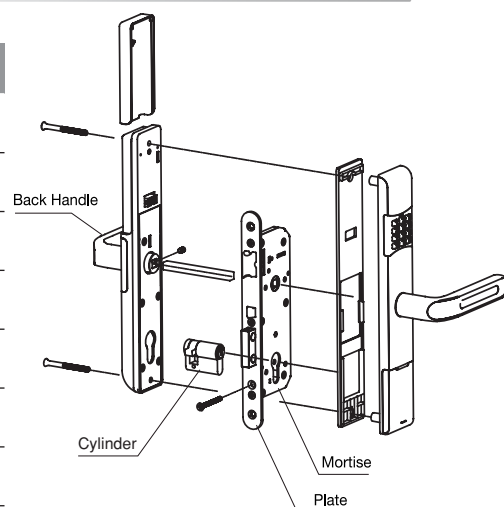
KEYPAD LOCK - LUXURY SERIES

TECHNICAL SPECIFICATIONS



KD 040/87-244

SYSTEM	Electronic Board NXP(PHILIPS) 936
PHYSICAL CONTACT	Keypad
MAINTENANCE	No need
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After password
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
POWER VOLTAGE	DC4.5V-6V (3 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	3 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,3 Kg (include 35mm mortise and cylinder)
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 75mm (May change depending on mortise lock)
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
APPLICABLE MORTISE	Optional (cylindrical mortise lock)
LOCKING	With micro electronic motor
KEYPAD	12 digits keys
VISUAL ALERT	Yes
SLIDING TYPE CYLINDER COVER	Yes
BACK PLATE	Yes
UNREGISTERED PASSWORD ALARM	In case of entering wrong password 4 times
UNREGISTERED CARD WARNING	Visual



* Please refer to page 66 for more information and functions.

CARD OPERATED LOCKS

Luxury Series / Office Type



KD-040/87-260

Luxury Series - Satin

Mifare Card Technology



Hidden Cylinder



Electronic
Locking Button



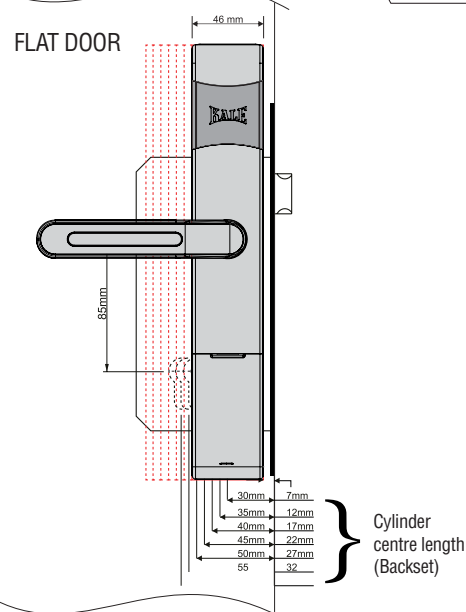
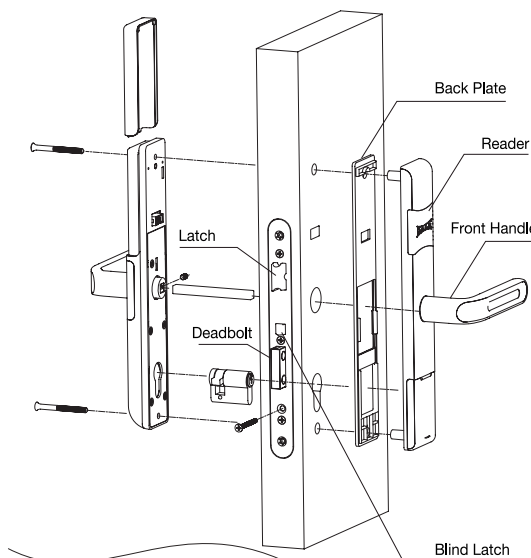
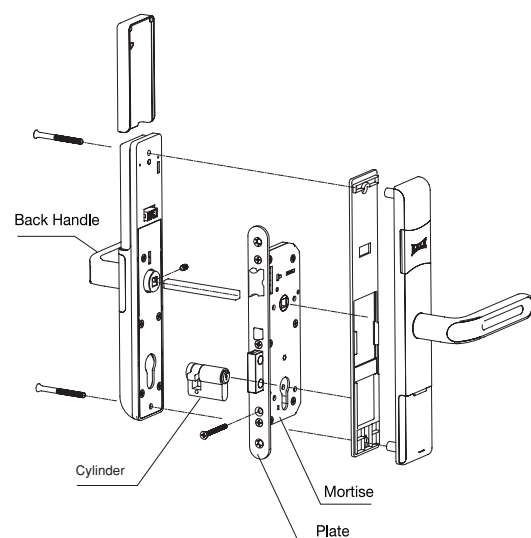
CARD OPERATED LOCKS - LUXURY SERIES

TECHNICAL SPECIFICATIONS



KD 040/87-260

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. After card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	mcu RTC
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (3 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	3 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	3,15 Kg (include 35mm mortise and cylinder)
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 75mm (May change depending on mortise lock)
RECORD MEMORY	200 pcs.
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
APPLICABLE MORTISE	Optional (cylindrical mortise lock)
LOCKING	With micro electronic motor
VISUAL ALERT	Yes
SLIDING TYPE CYLINDER COVER	Yes
BACK PLATE	Yes
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



* Please refer to page 66 for more information and functions.

CARD OPERATED LOCKS

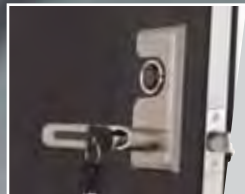
Latched Series / Office Type



KD-040/90-701

Latched Series - Satin

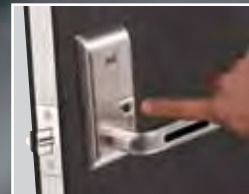
Hidden Cylinder



Mifare Card Technology



Electronic
Locking Button



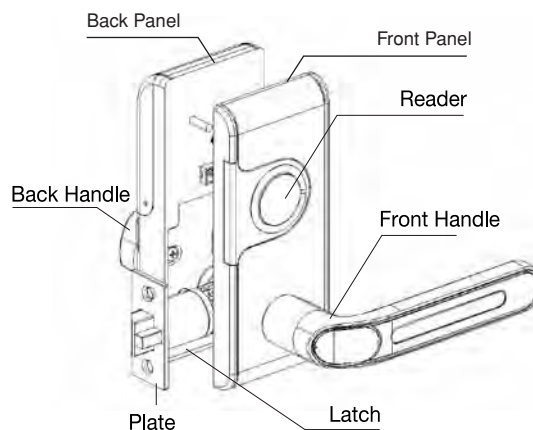
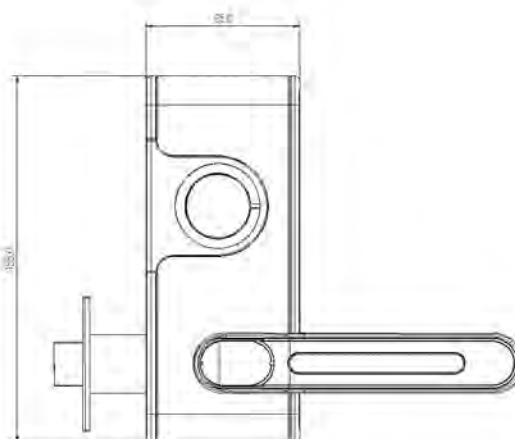
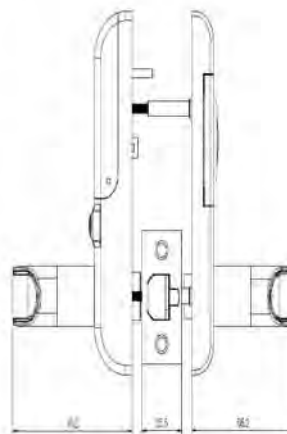
CARD OPERATED LOCKS - LATCHED SERIES

TECHNICAL SPECIFICATIONS



KD 040/90-701

SYSTEM	Electronic Board NXP(PHILIPS) 936
DATA TRANSFER	Radio Signals
PHYSICAL CONTACT	No
MAINTENANCE	No need
LIMITATION	Time & Date can be limited
ALARM FUNCTION	Low voltage
LOW POWER	Audio alarm
LOW POWER ALERT	Audio alarm 50 times more opening afterwards
UNLOCKING TIME	1 sec. after card reading
SECURITY CODE SYSTEM	3 levels
TIME CONTROL	mcu RTC
CARD TECHNOLOGY	MIFARE 1K S50 card 13,56 MHz, for closing & energy savers
CARD STANDARD	ISO/IEC 14443 A
CARD READING TIME/SPEED	Less than 0.035 sec.
MOTOR LOCKING TIME	5 sec.
WORKING TEMPERATURE	-15 °C ~+60°C
HUMIDITY RATE	15 - 95 % RH
WORKING FREQUENCY	13.56MHz
POWER VOLTAGE	DC4.5V-6V (4 pcs 1,5 V AA Alkaline Batteries)
POWER WASTE	Static < 15 uA - Dynamic < 120 mA
BATTERY LIFE	4 x 1,5V AA Alkaline Batteries, (apprx. 1 year depending on usage)
WEIGHT	1,93 Kg
DOOR THICKNESS	38mm-70mm
DOOR WIDTH	Min. 95mm (May change depending on mortise lock)
LATCH DIMENSION	60mm or 70mm latch adjustable
RECORD MEMORY	200 pcs. with hand terminal
CONSTANT PASS MODE	Yes
DOUBLE LOCK WARNING	Audio & Visual
LOCKING	With micro electronic motor
OPTIONAL UNLOCKING	With mechanical key
UNREGISTERED CARD WARNING	Visual



* Please refer to page 66 for more information and functions.

CARD OPERATED & KEYPAD LOCKS

Luxury Series / Office Type

Security starts at door...

Our target is to provide an environment in your locations where you can control the security of life and property at the highest level and by managing yourself. In order to realize this, we use our experience of 60 years together with the state-of-art technology.

You can create a dynamic security which you can manage according to the environment, location, users and risks. Without risk, effort and additional costs.

We have developed to meet your expectations.

Security & Copying

One of the most important features of Luxury Series Electronics Locks, having developed with a new SECURITY understanding, is that KALE CARDS with "Mifare" software scripted at 16 sectors cannot be copied and reproduced.

NFC Compatibility (Near Field Communication Technology)

It is compatible with NFC which is the updated level of the mobile communication technology. If you do not want to use and carry card, you can use your NFC featured cellular phones instead of card.

Ease of Use and Unlocking Speed

These locks unlock within split seconds when you read your card or enter your password, they can be locked inside automatically or by electronic button.

Card & Password Usage

You can control unlimited numbers of locks with the same KALE CARD or PASSWORDS determined by you. This eliminates the obligation to carry many keys.

Authorization & Recording & Reporting

You can reuse KALE CARD authorized for any lock for other locks by changing the authorization, save the unlocking records at key memory and report the last 200 records.

Hidden Control & Blockade

You can unlock a location locked by the user using your VIP card "without damaging its locked status" and make desired controls... The user can never notice the unlocking! Thanks to this feature, you can make hidden controls at the locations and you can block the location for entrance/exit either temporarily or permanently without needing to "change the lock or cylinder".

Free & Controlled Passing (Passage Mode)

You can change the entrance and exit authorizations of any location; you can open for permanent passing and then re-change if you wish. For these operations, you don't need to change key, cylinder, etc. or make modifications...

Sound & Silence Usage

According to your preferences, you can use sound/silence unlocking options.

Authorization & Management (Creating Master Structure)

You can appoint different authorizations to many different cards on the same lock. Even you can cancel the previously authorized cards and appoint different authorizations to the brand new cards. In this case you don't need to change the lock either.

Kale Luxury Series Electronic Locks are ready to be a part of your life as the intelligent security design of new living conditions...

For more detailed information, please visit www.kaledisticaret.com.tr. You can contact with our Sales Representatives.

CARD OPERATED & KEYPAD LOCKS

Luxury Series / Office Type

Color Options



White

Black



Satin



Bronze

CARD OPERATED & KEYPAD LOCKS

Luxury Series / Office Type

Color Options



NEW



Gold



Brown



Satin



Deep Black

CARD OPERATED & KEYPAD LOCKS

Luxury Series / Office Type

Color Options



Amber



White



Antrasit



Champagne

X10 SMART LOCK SYSTEM



Key Word:
"remote control"



SMART
LOCK
SYSTEM **X10**[®]

KD-049/10-200

X10 SMART LOCK SYSTEM / TECHNICAL SPECIFICATIONS

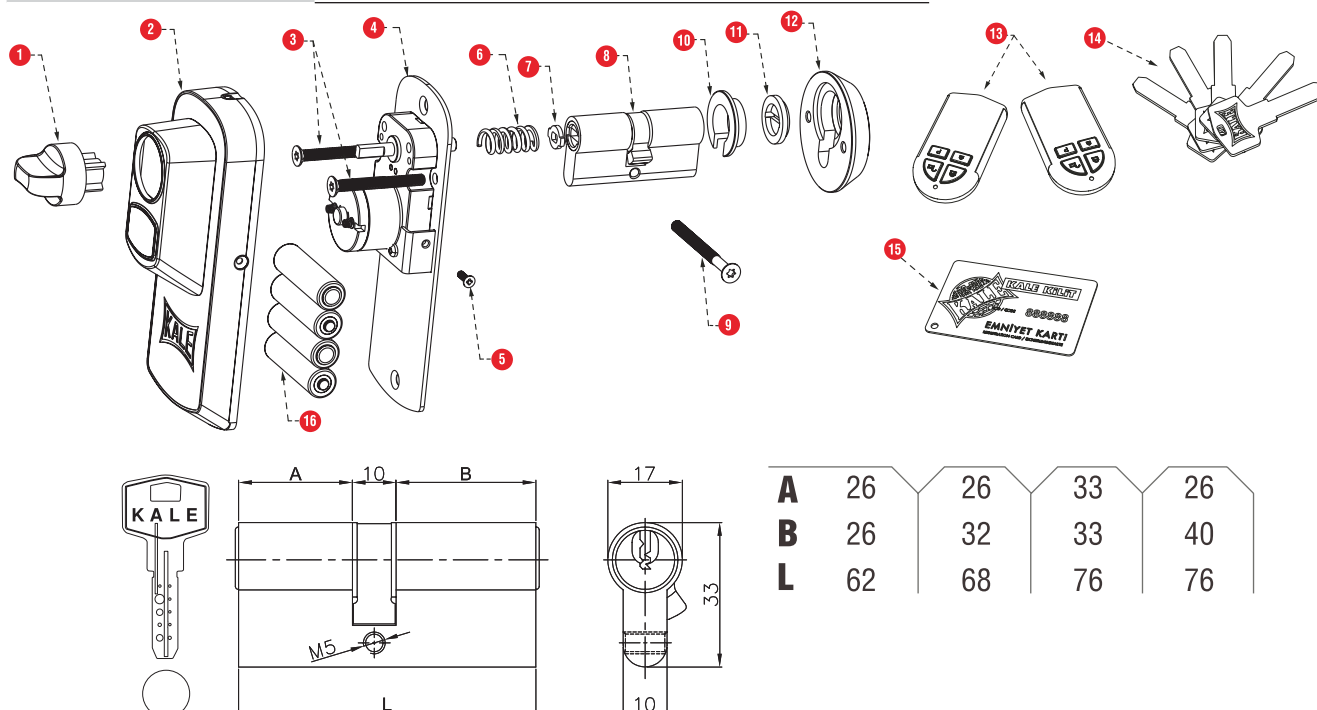


KD 049/10-200

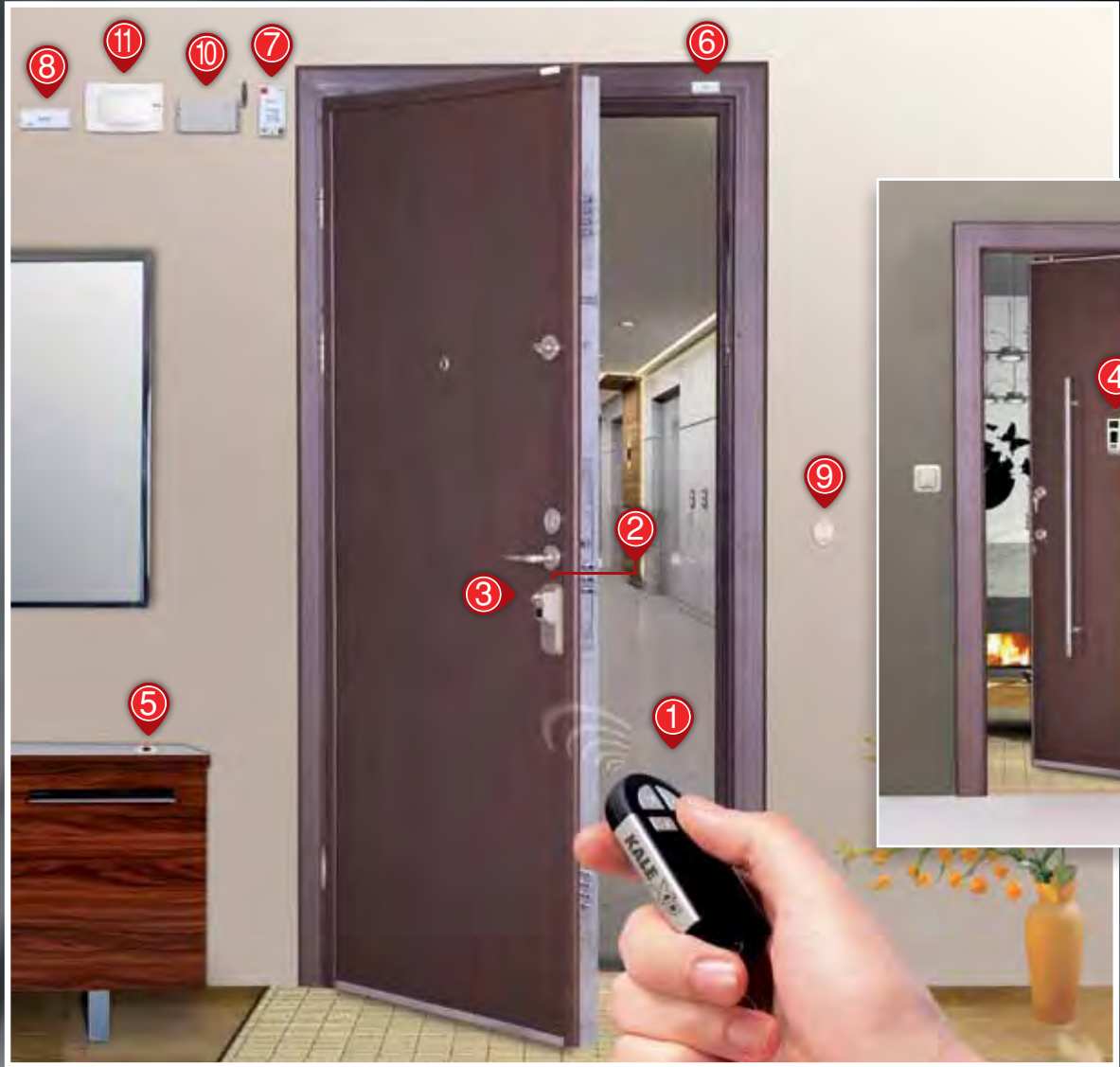
SYSTEM	Automatic
APPLICABILITY	It can be used all sort of mechanical locksets and can be adapted with home automation system.
CYLINDER LENGTH	Length can be adjusted depending on door thickness
REMOTE CONTROLLED LOCK	SAW resonator , rolling code
ELECTRONIC PCB	SWD technology
DATA TRANSFER	Radio Frequency
PHYSICAL CONTACT	No
SECURITY CODE SYSTEM	Keylock technology
READING TIME	1 sec.
LOCKING	By micro motor & redactor DC motor
AUTOMATIC LOCKING	By magnetic contact (optional)
REMOTE CONTROL CAPACITY	40 pcs (optional 100 pcs)
CONTROL BY FINGERPRINT	Locking & unlocking by finger print reader unit
REMOTE OPENING	By wireless opening button (optional)
POWER SUPPLY	Operates with chargeable batteries (optional)
HOME AUTOMATION SYSTEM	Yes (optional) by using wireless transmitter unit
ALARM CONNECTION	Wireless connection (optional)
REMOTE CONTROL BY PHONE	By using wireless phone module (optional)
BATTERY LIFE SPAN	Operates with 4 pcs AA size Alkaline battery. Approximately 5.000 times opening & closing . It could be more than 10.000 times of opening & closing if Lithium batteries used. Number of times show variety depending on mortise type , number of throws and daily usage
DIMENSIONS	W (59) x H (157) x D (58) mm
INSTALLATION CONVENIENCE	No any modification required on existing door
WORKING TEMPERATURE	- 10 °C / 75 °C
HUMIDITY TEMPERATURE	15-85 % RH
WEIGHT	1.185 gr

Packing Content

1. Security Knob – blockade- mechanical opening & closing
2. Unit cover
3. Rosette Installation screws (M5) – 2 pcs
4. Main unit
5. Unit cover insallation screws (M3) – 2 pcs
6. Pushing spring
7. Connection part
8. X10 special cylinder
9. Cylinder installation screw
10. Cylinder rosette montage part
11. Protection cover for key hole
12. Rosette
13. Remote control (Electronic key) -2 pcs
14. Mechanical Keys – 5 pcs
15. Kale Security Card
16. Alkaline type batteries (Size AA) – 4 pcs
17. User Manual





X10 SMART LOCK SYSTEM



Comfort of Remote Control
at Your Door...

X10 SMART LOCK SYSTEM UNITS



	Remote Control Unit Up to 100 pcs remote control unit can be registered into the unit. Same remote control unit can be used on all other X series products by allowing to open several number of doors. Unit also accommodates mechanical key inside slot to be used in emergency cases. <i>(It has rolling code technology for preventing unauthorized copies)</i>	1
	Optical Opening Button It is used for opening & closing door from inside by simply a finger touch.	2
	Security Knob – Blockade- Mechanical Opening & Closing When the lock is locked by using security knob all the units and registered remote control units become deactivated. When lock is opened by security knob all become active once again. It can be used for opening & closing of lock mechanically in case of flat batteries.	3
	Fingerprint Reader Unit You may open & close your door flawlessly by using the most secured key - your fingerprint. <i>(It has rolling code technology for preventing unauthorized copies)</i>	4
	Wireless Opening Button It may used in office & home environments with the functioning of opening lock only. Either under table or on side faces can be easily attached. <i>(It has rolling code technology for preventing unauthorized copies)</i>	5
	Wireless Automatical Closing Unit It is used in environments where high level of security is required. It is automatically lock the door within 5 seconds after door is closed. Depending on your preferences it can be adjusted either for single & double throw locking. <i>(It has rolling code technology for preventing unauthorized copies)</i>	6
	Charging Unit It is used for charging batteries in case of using rechargeable batteries. (6V DC output). It has been specially used for X10 system.	7
	Wireless Connection Unit It is used for connection into Intelligent Home Automation System. It transfer the status of door either as opened & closed.	8
	Wireless Remote Opening & Locking Unit It is used for opening & closing doors by through connection with phone, operator or alarm systems. Either under table or on side faces can be easily attached. It is easily integrated with any electronic & mechanical systems. <i>(It has rolling code technology for preventing unauthorized copies)</i>	9
	Opening & Locking Unit By Phone It is used for either opening & closing doors remotely or checking the locking status of system. It can be used with either a wireless remote opening & locking apparatus or regular & GSM line. It requires a special code entry for operation. Montage and programming is done by authorized service stations.	10
	X10 Alarm System It provides an exceptional security through its very sensitive dedectors. Because of a mobile systems can be carry and used anywhere is requested. It combines movement dedectors or magnetic contact units which is placed on high risk areas such as door, window ..etc.	11

X10 ALARM SYSTEMS



KD-049/20-100

Alarm Systems - Wireless



Magnetic Contactor - Wireless



KD-049/20-111

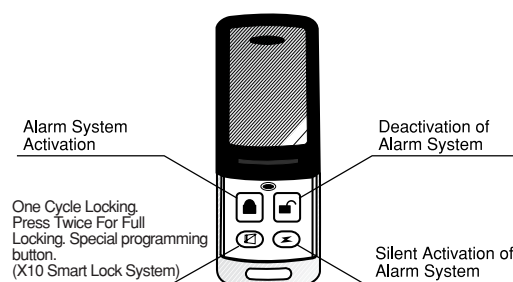
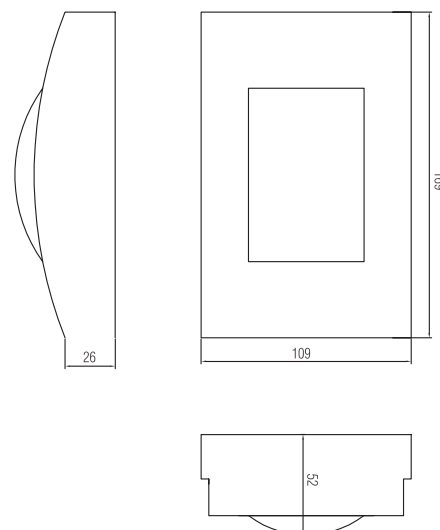
Detector - Wireless



KD-049/20-112

Alarm Systems - Wireless

KD 049/20-100	
ALARM SOUND LEVEL	110db
ALARM TYPE	Multi Sound Siren
PANIC ALARM	Available
SABOTAGE ALARM	Available
REPORTING BY LIGHT & SOUND	Available
AUTOMATIC ARMING	Available
COMPATIBLE DETECTORS	Magnetic, Movement, Smoke, Impact
DETECTOR AND MAGNETIC CONTACTOR CAPACITY	8
REMOTE CONTROL	RF, Rolling Code, SAW resonator
REMOTE CONTROL CAPACITY	6
WORKING CURRENT	220 V AC 50Hz
BATTERY TYPE	Chargeable 6.0V 250mAh Nickel Ni-MH
BATTERY LIFE	24 Hour
CABLE LENGTH	1 meter



Remote Controls are compatible with all Kale X Series products

Magnetic Contactor

KD 049/20-111	
BATTERY POWER	3,6 Volt
BATTERY LIFE	Between 6 months and 3 years (Depending on usage)
WORKING FREQUENCY	433,9 Mhz
CHANGEABLE (With Rolling Code)	SAW resonator design for preventing frequency overlapping, sabotage and low battery warning , optional door and /or window open status signalling as every 3 mn.

Detector

KD 049/20-112	
Coverage	105°C
Detection range	12m
Sealed optics security	

X3 REMOTE CONTROL SYSTEM



KD-050/10-500
Remote Control System

REMOTE
CONTROL
SYSTEM **X3**[®]



KD-050/10-501
Remote Control



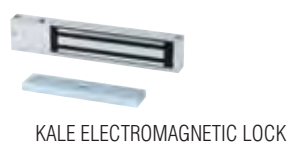
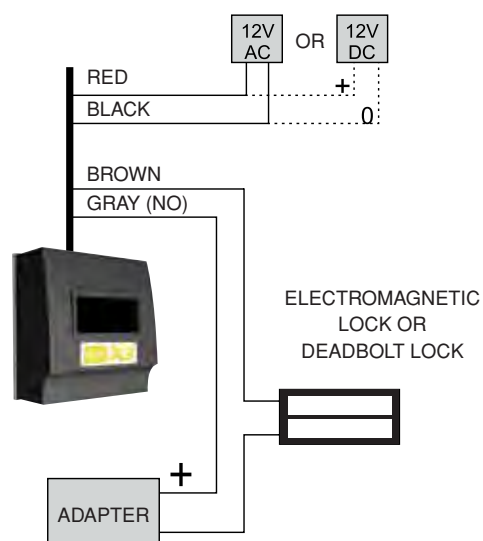
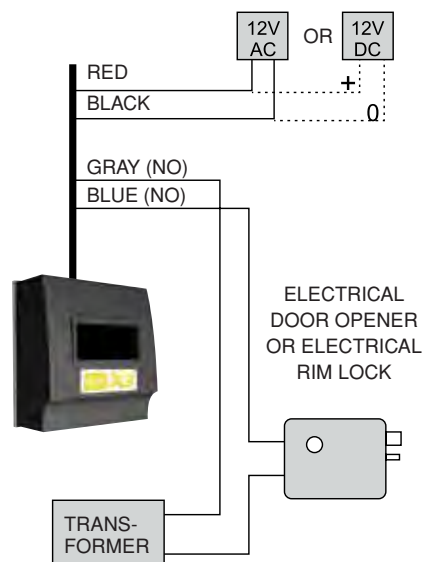
CONTROLLING ALL
THE **ELECTRICAL**
AND **ELECTRONIC**
DEVICES.

X3 REMOTE CONTROL SYSTEM TECHNICAL SPECIFICATIONS



KD 050/10-500

REMOTE CONTROL CAPACITY	500
MASTER, USER REMOTE CONT. UNIT	1+1
REMOTE WORKING RANGE	~ 0-7m/0-40 m
WORKING VOLTAGE	12 V (DC or AC)
WORKING CURRENCY	80 ~ 150 μ A
WORKING TEMPERATURE	-15 ~ + 60° C
WORKING HUMIDITY	15 ~ 90 % RH
DATA SAVING PERIOD	100 Year
USER IDENTIFYING TIME	< 2 sec.
TIME SETTING	0-99 min.





X5 AUTOMAT

KD 050/30-100

CARD CAPACITY	Limitless
WORKING VOLTAGE	7-15 V AC
POWER CONSUMPTION	Max. 10 watt
WORKING TEMPERATURE	Static < 60 mA Dynamic < 250 mA
WORKING TEMPERATURE	-30 °C - +70 °C
ANTENNA PROTECTION	IP56
CARD READING DISTANCE	3-7 cm
CONNECTION PORT	RS232

GENERAL SPECIFICATION

- Access Control System
- Mf1 Card Reader Antenna
- Limitless User Capacity
- Stainless Steel Body



X5 Automat



Construction Card - Mifare



KD-050/30-112

User Card - Mifare



KD-050/30-113

X5 Key - Mifare



KD-050/30-115

ELEVATOR CONTROL UNIT



KD 040/10-901

SYSTEM	Electronic board Philips 936
DATA TRANSFER	Radio Signals
MATERIAL	Plastic reader - plastic body
MAINTENANCE	No need
UNREGISTERED CARD WARNING	With Red light
REGISTERED CARD WARNING	With Blue light
COMPATIBILITY	Lift control units triggered by dry contact
CONSTANT PASS MODE	Yes
CARD TECHNOLOGY	MF 1K
WORKING TEMPERATURE	-10°C ~+ 75°C
POWER VOLTAGE	DC 4.8V - 6.5V
INSTALLATION	Suitable for all doors & wall
PROGRAM	Compatible with KALE 2012 hotel management software.



Program



KD-040/90-525 • KD-040/90-526

Program USB Key

50-101 Lite version



50-102 Standard version

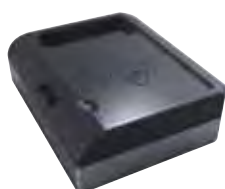
KD-040/50-101 • KD-040/50-102

Smart Card



KD-040/90-513

Card Coding Unit



KD-040/90-518

Hand Terminal Device



KD-040/90-902

X5 ACCESS CONTROL UNITS



KD-050/10-400
X5 Access Control Units - Mifare

Indoor



KD-050/10-100

Indoor



KD-050/10-200

Card - Outdoor



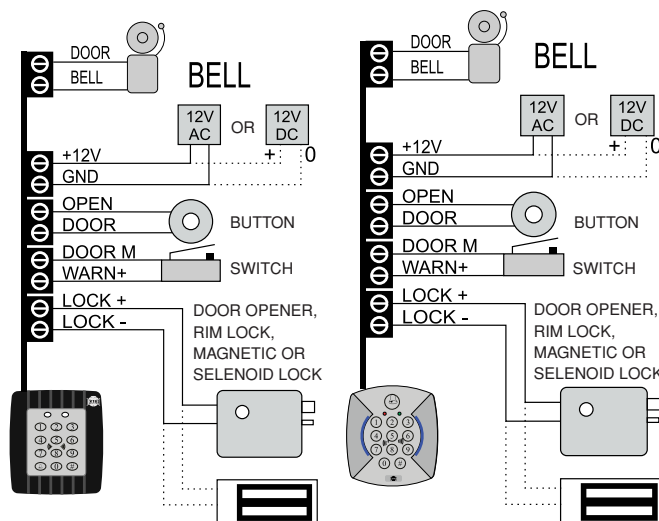
KD-050/10-300

ACCESS CONTROL UNITS / TECHNICAL SPECIFICATIONS



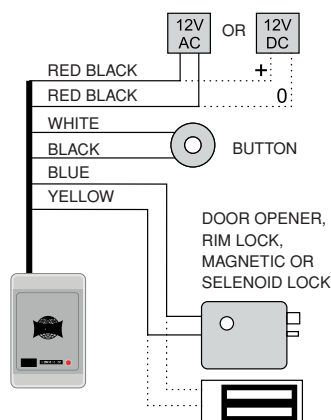
KD 050/10-100 • KD 050/10-200

SYSTEM	500 user capacity, passing by card or code
DIGITAL SYSTEM	Colored key pad
ALARM	Internal, external alarm function
BELL BUTTON	Yes
REMOTE OPENING BUTTON	Yes
WORKING VOLTAGE	10.8V -13.8V, Nominal 12V AC
WORKING CURRENT	<50 mA (Except electrical door opener)
ELECTRICAL LOCK DEADBOLT	1000 mA
WORKING FREQUENCY	125 KHz
CARD READING DISTANCE	5 cm – 10 cm
OPERATION TEMPERATURE	- 15 / 70 °C
COMPATIBLE DEVICES	Electrical Rim Lock, Electromagnetic Lock, Electrical Door Opener, Deadbolt Lock



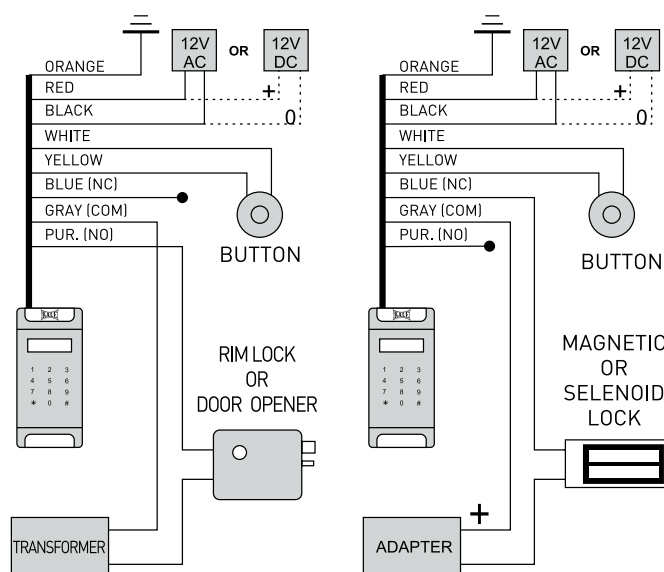
KD 050/10-300

SYSTEM	2.000 users capacity
WORKING VOLTAGE	10.8V -13.8V, Nominal 12V AC
WORKING CURRENT	120 mA (Except electrical door opener)
ELECTRICAL LOCK DEADBOLT	1.000 mA
WORKING FREQUENCY	125 KHz
CARD READING DISTANCE	5 cm – 10 cm
WORKING TEMPERATURE	-15/60 °C
DIMENSIONS	76 x 116 x 19 mm
COMPATIBLE DEVICES	Electrical Rim Lock, Electromagnetic Lock, Electrical Door Opener, Deadbolt Lock



KD 050/10-400

WORKING VOLTAGE	12 VDC / 12 VAC
WORKING VOLTAGE RANGE	7-24 VDC & 5-19 VAC
STATIC CURRENT	Less than 3 watt
WORKING TEMPERATURE	-10 °C + 60 °C
CIRCUIT PROTECTION	Recoverable fuse
CARD READING DISTANCE	2-3 cm
CARD TECHNOLOGY	MF1 S50/S70
LCD SCREEN	Single color LED background lighting 100.000 hours working time-UV filter
LCD WORKING TEMPERATURE	-20 °C + 70 °C
KEYPAD	Touch Panel with LED background lighting
OPEN RECORD	1000 pieces, can be backup with MF 4K S70 card and be searched any time.
CAPACITY OF CARD	2000 pcs.
RECORD STORE TIME	More than 10 years
COMPATIBLE DEVICES	Electrical Rim Lock, Electromagnetic Lock, Electrical Door Opener, Deadbolt Lock



EM Card



KD-040/10-101

X5 Key



KD-050/10-102

Main Control Unit

100-200 Model



KD-050/10-103

Main Control Unit

300 Model



KD-050/10-104

Main Control Unit

400 Model



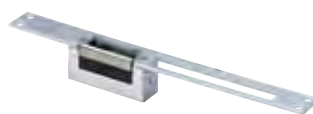
KD-050/10-106



PASSCARD or X5 Key



KALE ELECTRICAL RIM LOCK



KALE ELECTRICAL DOOR OPENER



KALE ELECTROMAGNETIC LOCK

ELECTROMAGNETIC LOCKS



KD 050/60-100

DOOR MONITOR	Yes
LED INDICATOR	Yes
VOLTAGE	12-24 V DC
CURRENT	12 VDC-380 MA 24 VDC-190 MA
PULLING FORCE	150 Kgs.
MAGNETIC DEVICE DIMENSIONS	(L)166 x (W)41 x (D)21 mm (L)130 x (W)32 x (D)10 mm



KD 050/70-100

DOOR MONITOR	Yes
LED INDICATOR	Yes
VOLTAGE	12-24 V DC
CURRENT	12 VDC-500 MA 24 VDC-250 MA
PULLING FORCE	250 Kgs.
MAGNETIC DEVICE DIMENSIONS	(L)253 x (W)48 x (D)26 mm (L)185 x (W)38 x (D)12 mm



KD 050/80-100

DOOR MONITOR	Yes
LED INDICATOR	Yes
VOLTAGE	12-24 V DC
CURRENT	12 VDC-700 MA 24 VDC-350 MA
PULLING FORCE	500 Kgs.
MAGNETIC DEVICE DIMENSIONS	(L)280 x (W)70 x (D)38,5 mm (L)185 x (W)58 x (D)14,5 mm



KD 050/90-910

FUNCTION	150 Kgs pulling force-Glass Door Holding Apparatus
DIMENSIONS	(L)140 mm x (W)43 mm x (H)28 mm
UNIT WEIGHT	0,40 Kgs.



KD-050/90-901

KD-050/90-902

KD 050/90-920

FUNCTION	250 Kgs pulling force-Glass Door Holding Apparatus
DIMENSIONS	(L)190 mm x (W) 43 mm x (D)28 mm
UNIT WEIGHT	0,45 Kgs.



ELECTRONIC LOCKS



KD-050/40-101

XG-Metallic Brass

KD-050/40-102

XG-Metallic Silver

XS



KD-050/40-104

Remote Control



KD-050/40-202

ELECTRONIC LOCKS / TECHNICAL SPECIFICATIONS



KD 050/40-101 • KD 050/40-102		KD 050/40-104	
SYSTEM	Electronic	SYSTEM	Electronic
USING WITH	ID key or entrance code	USING WITH	Smart card or Entrance code
NUMBER OF USERS (with ID key)	Maximum 9 users	NUMBER OF USERS (with ID key)	Maximum. 9 user
NUMBER OF USER (with code)	Limitless	NUMBER OF USERS (with code)	Limitless
ENTRANCE CODE	4 - 12 digits	ENTRANCE CODE	4 - 12 digits
ALARM	Yes 80 db	ALARM	Yes 80 db
BACKGROUND LIGHT BUTTON	Yes	OPEN DOOR WARNING	Yes
MANUAL LOCKING	Yes	BACKGROUND LIGHT BUTTON	Yes
AUTOMATIC LOCKING	Yes	MANUAL LOCKING	Yes
TEMPORARY LOCKING	Yes	AUTOMATIC LOCKING	Yes
LEFT&RIGHT USE	Yes	TEMPORARY LOCKING	Yes
ID KEY SECURITY	Change ID key code number every time you use	LEFT&RIGHT USE	Yes
FIRE CENSOR	Yes	CARD TECHNOLOGY	RF Smart Card
URGENT MODE	Yes	URGENT MODE	Yes
LOCK BODY	Steel	OPTIONAL	Remote control (50-60 mm with radio signals)
OPTIONAL	Remote control (50-60 mm with radio signals)	BATTERY LIFE	1 year (av.10 times a day)
BATTERY LIFE	1 year (av.10 times a day)	ENERGY	8 pieces 1,5 Volt Alkaline battery
ENERGY	4 pieces 1,5 Volt Alkaline battery	FRONT DIMENSION	35 x 75 x 312 mm
FRONT DIMENSION	26 x 76 x 295 mm	BACK DIMENSION	39 x 79 x 312 mm
BACK DIMENSION	40 x 75 x 298 mm		

ELECTRONIC LOCKS



KD-050/40-105
XT-Red

KD-050/40-112
XT-Metallic Silver

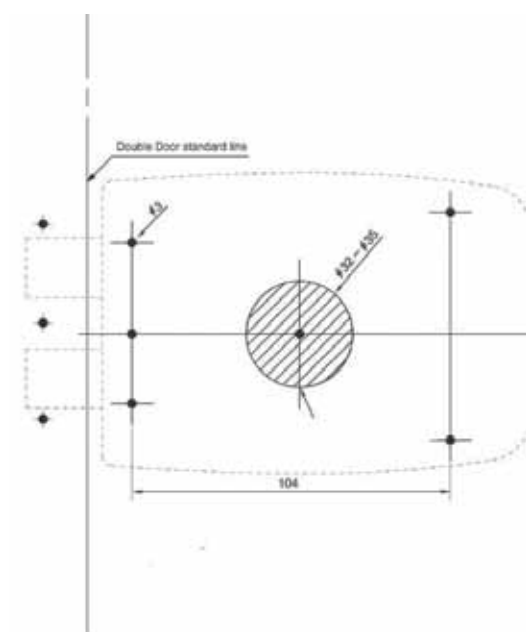
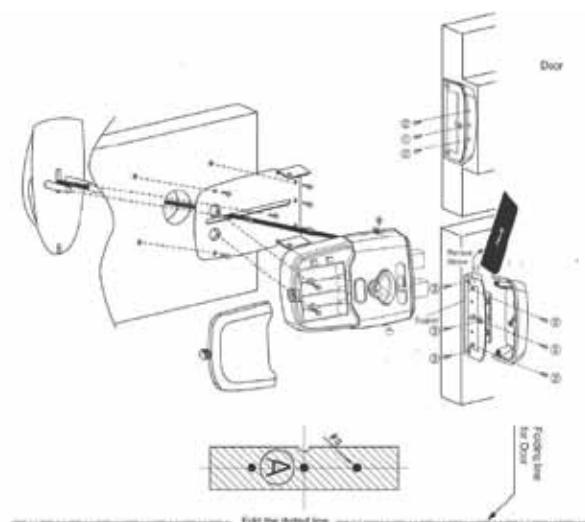


ELECTRONIC LOCKS / TECHNICAL SPECIFICATIONS



KD 050/40-105 • KD 050/40-112

SYSTEM	Electronic
USING WITH	ID key or Entrance code
NUMBER OF USERS(with ID key)	Maximum 9 user
NUMBER OF USERS(with code)	Limitless
ENTRANCE CODE	4 - 12 digits
ALARM	Yes 80 db
BACKGROUND LIGHT BUTTON	Yes
MANUAL LOCKING	Yes
AUTOMATIC LOCKING	Yes
TEMPORARY LOCKING	Yes
LEFT&RIGHT USE	Yes
URGENT MODE	Yes
ID KEY SECURITY	Change ID key code number every time you use
BATTERY LIFE	1 year (av.10 times a day)
ENERGY	4 pieces 1,5 Volt Alkaline battery
FRONT DIMENSION	31 X 71.5 x 146 mm
BACK DIMENSION	47 x 145 x 99 mm



ELECTRONIC LOCKS

Finger Print Lock



KD-050/50-100

Finger Print Lock

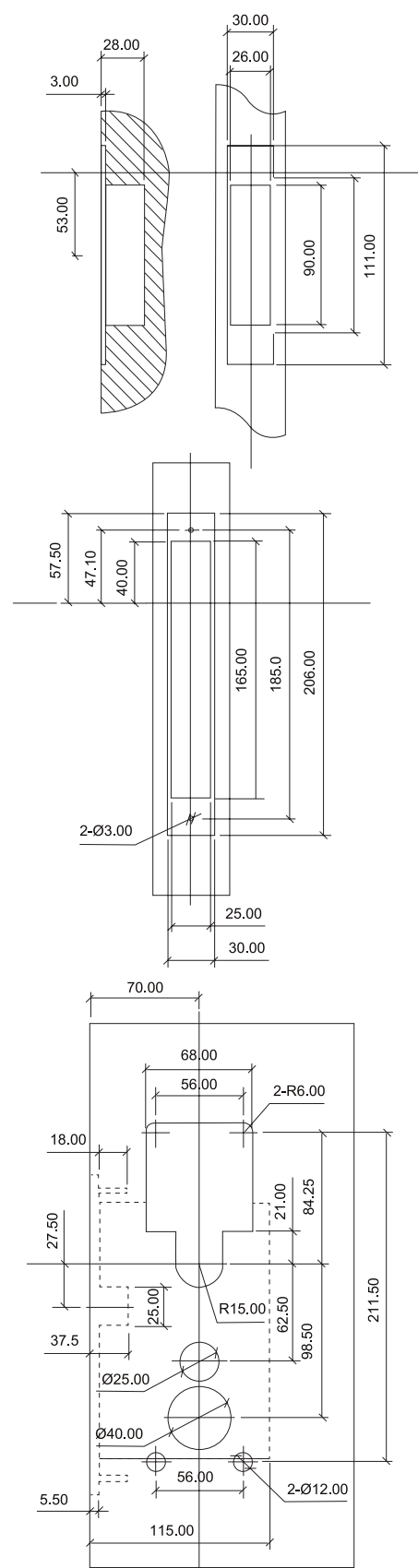
ELECTRONIC LOCKS - FINGER PRINT

TECHNICAL SPECIFICATIONS



KD 050/50-100

SYSTEM	Electronic & Mechanic
PASSAGE MODE	Yes
OPERATIONAL CONDITION	Wide range of adaptation (self adaptable to dry or wet, broken, oily fingers)
COLLECTION AREA	(L) 23 mm (W) x 18 mm
TECHNOLOGY	Biometric reader
VERIFICATION TIME	1 second
USING	Combined with mechanical & electronic locks
RESOLUTION	560 dpi
EMERGENCY MODE	Fingerprint unlocking, User Code, Mechanical Key for emergency
DYNAMIC CURRENT	150 Ma
USER CAPACITY	Capable of saving 150 finger prints.
STATIC CURRENT	10 Ua
BODY MATERIAL	Full stainless steel crust & latch and deadbolt
WORKING VOLTAGE	4.5 V-6 V
RESISTANCE	Shock and vibration resistant body
ALARM VOLTAGE	4.8 V
WARNING	Low voltage alarming, Anti-insertion alarm, Tilted latch alarm
ANTI-STATIC	15000 V
ENERGY	4 AA batteries 1,5 V Alkaline Battery
WORKING TEMPERATURE	-10°C / 60°C
BATTERY LIFE	1 Year
ENVIRONMENT HUMIDITY	%20 - %80
LOW POWER ALERT	100 times opening cycle after voice warning
OUTER DIMENSION	(L) 318 mm x (G) 77.2 mm x (D) 65 mm
BLUE LIGHT SCANNING	Yes
INNER DIMENSION	(L) 305.5 mm x (G) 77.2 mm x (D) 66 mm
HIGH RESOLUTION ACQUISITION	Yes
WEIGHT	3.65 Kgs.



ELECTRONIC CABINET LOCKS



KD-050/45-106
Silver



KD-050/45-107
Brass



KD-050/45-110 Silver

KD-050/45-108 Silver



KD-050/45-111 Brass



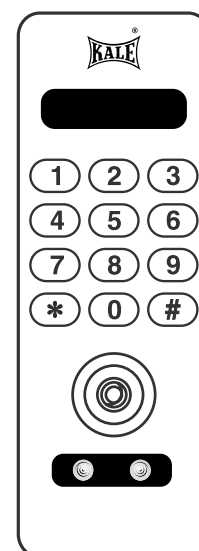
KD-050/45-109 Brass

ELECTRONIC CABINET LOCKS / TECHNICAL SPECIFICATIONS



KD 050/45-106 • KD 050/45-107

USAGE	Wooden cabinet & drawer
BODY MATERIAL	Aluminium alloy
FINISHING	Silver & Golden
DIMENSIONS OF FRONT BODY	95.5(L)x58(W)x17(H) mm
DIMENSIONS OF REAR BODY	133(L)x66(W)x27.5(H) mm
ID KEY BASE BACKLIGHT	Available
CODE LEVELS	3
DESCRIPTION OF CODE LEVELS	1 Owner - 5 Master - 1 User
OPENING METHODS	ID key & user code (permanent & temporary)
TYPE OF ID & EM KEYS	ID 90& ID 91
SILENT MODE	Yes
OPENING MODES	* ID Key * ID Key and Temporary User code * With permanent User code * With temporary User code
OCCUPIED ROOM INDICATOR	As blinking red light every 3 seconds
AUTOMATIC LOCKING	Available
SERVICE LIFE OF LOCK	90.000 opening & closing cycle
ALARM FOR UNREGISTERED KEYS	Alarm goes off for 60 sec. after reading unregistered key 4 times
LOW VOLTAGE ALARM	With sound warning
LENGTH OF LATCH	12 mm
DOOR THICKNESS	15---25 mm
BATTERY SIZE & QTY	AA - 4 pcs
BATTERY LIFE	Locking /Unlocking cycle 16.000 times/Operates 100 cycles under low voltage
EMERGENCY OPENING	9 V external battery compartment
STATIC CURRENT	<30uA
DYNAMIC CURRENT	<350mA
ALARM CRITICAL VOLTAGE	4.2+/-0.2 V
WORKING TEMPERATURE	-10°C / 55°C
WORKING HUMIDITY	20% --- 93%
NET WEIGHT	294.3 g
GROSS WEIGHT	327.9



ELECTRONIC CABINET LOCKS



KD-050/45-114
Brass



KD-050/45-115
Silver

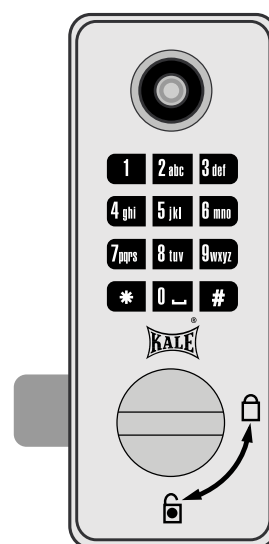


ELECTRONIC CABINET LOCKS / TECHNICAL SPECIFICATIONS



KD 050/45-114 • KD 050/45-115

USAGE	Suitable to be used on steel & file cabinets
BODY MATERIAL	ABS
FINISHING	Silver & Golden
DIMENSIONS	127(L)x50(W)x22(H) mm
	Available
ID KEY BASE BACKLIGHT	Available
CODE LEVELS	3
DESCRIPTION OF CODE LEVELS	1 Owner - 5 Master - 1 User
OPENING METHODS	ID key & user code (permanent & temporary)
TYPE OF ID & EM KEYS	ID 90 & ID 91
OPENING MODES	* ID Key * ID Key and Temporary User code * With permanent User code * With temporary User code
OCCUPIED ROOM INDICATOR	As blinking red light every 3 seconds
AUTOMATIC LOCKING (MAGNETIC)	Available
SERVICE LIFE OF LOCK	90.000 opening & closing cycle
ALARM FOR UNREGISTERED KEYS	Alarm goes off for 60 sec. after reading un-registered key 4 times
LOW VOLTAGE ALARM	With sound warning
LENGTH OF LATCH	39,5 mm
DOOR THICKNESS	0,6---2,5 mm
BATTERY SIZE & QTY	AA (alkaline) - 2 pcs.
BATTERY LIFE	Locking /Unlocking cycle 5500 times/ /Operates 50 cycles under low voltage
EMERGENCY OPENING	6 V external battery compartment
STATIC CURRENT	<30uA
DYNAMIC CURRENT	<350mA
ALARM CRITICAL VOLTAGE	2.2+/-0.2 V
WORKING TEMPERATURE	.-20°C / 55°C
WORKING HUMIDITY	20% --- 93%
NET WEIGHT	200 gr
GROSS WEIGHT	250 gr



ELECTRONIC SECURITY LOCKS



KD-050/55-100 • KD-050/55-101 • KD-050/55-102
Biometric - Finger Print Keypad

Electronic - Digital Keypad



KD-050/55-110 | 55-111

Electronic - Digital Keypad



KD-050/55-112 | 55-113 | 55-114
KD-050/55-115 | 55-116 | 55-118

Swing Bolt



KD-050/55-240

Strike Bolt



KD-050/55-242

ELECTRONIC SECURITY LOCKS

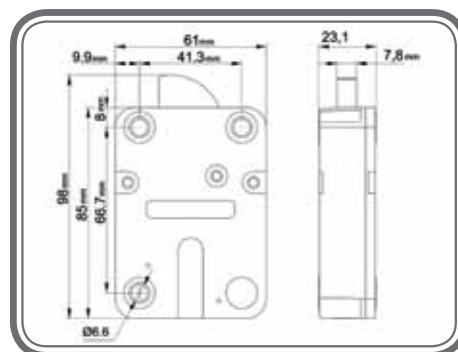
TECHNICAL SPECIFICATIONS



DESCRIPTION	BIOMETRIC			KEYPAD		LCD SCREEN					
	KD-050/55-100	KD-050/55-101	KD-050/55-102	KD-050/55-110	KD-050/55-111	KD-050/55-112	KD-050/55-113	KD-050/55-114	KD-050/55-115	KD-050/55-116	KD-050/55-118
US LISTED TYPE				1							
LCD	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes
FINGER PRINT	Yes	Yes	Yes								
FINGER PRINT USER CAPACITY	30	30	30								
MULTI DOOR FUNCTION	Yes	Yes	Yes				Yes		Yes	Yes	
DUAL MODE											Yes
SUPER CODE	1	1	1		1	1	1	1	1	1	1
MASTER CODE					1						
MANAGER CODE	2	2	2	1	1	1	2	2	2	2	2
USER CODE	28	28	28	1	1	1	28	18	28	28	18
ONLINE MODE			Yes							Yes	Yes
TIME DELAY	0-99 min	0-99 min	0-99 min		0-99 min		0-99 min	0-99 min	0-99 min	0-99 min	0-99 min
OPEN WINDOW	0-15 min	0-15 min	0-15 min		0-15 min		0-15 min	0-15 min	0-15 min	0-15 min	0-15 min
TIME DELAY OVERRIDE	Yes	Yes	Yes		Yes		Yes	Yes	Yes	Yes	Yes
FINGERPRINT SENSOR	500DPI	500DPI	500DPI								
VERIFICATION TIME	Yes	Yes	Yes								
AUDIT TRAILS CAPACITY	30 fingerprints + 31 codes	30 fingerprints + 31 codes	30 fingerprints + 31 codes	2	4	3	31 codes	61 codes	31 codes	31 codes	61 codes
FALSE REJECTION RATE	<0,1 %	<0,1 %	<0,1 %								
FALSE ACCEPTANCE RATE	<0,0001 %	<0,0001 %	<0,0001 %								
PASSWORD LENGTH	10 digits	10 digits	10 digits	6 digits	6 digits	6 digits	6 digits	6 digits	6 digits	6 digits	6 digits
SHOW AUDIT TRAIL		Yes	Yes								Yes
RECOVERY CODE	Yes	Yes	Yes				1	1	1	1	1
ENABLE - DISABLE CODE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PENALTY LOCKOUT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (time adjustment)
AUDIT TRAIL			Yes							1000 record	1000 record
ENABLE SEQUENCE											Yes
OTC								40			40
DURESS CODE										Yes	Yes
SET TIME TABLE	Yes	Yes	Yes						Yes	Yes	Yes
3 ALARM OUTPUTS (ON CONJUNCTION BOX)											Optional
DOOR STATUS MONITORING											Optional
SHACKING SENSOR (ADDITIONAL SHACKING SENSOR WITH CONJUNCTION BOX)											Optional
DATA BACKUP (CONJUNCTION BOX WITH MEMORY OPTION)											4000 record
STATIC CURRENT	50µA	50µA	50µA				50µA	50µA	50µA	50µA	50µA
POWER	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery	1pc standard 9V AA battery
WORKING VOLTAGE	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V	4,5 - 12 V
BATTERY LIFE	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year	Apprx. 1 year
LOW BATTERY ALERT	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V	5.4 ± 0.2V
STANDBY CURRENT	<15 µA	<15 µA	<15 µA	<15 µA	<15 µA	<15 µA	<15 µA	<15 µA	<15 µA	<15 µA	<15 µA
WORKING CURRENT				<20 mA	<20 mA	<20 mA					
WORKING TEMPUTARE	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C	0°C ± 49°C
HUMUDITY RATE	Max. %90	Max. %90	Max. %90	Max. %90	Max. %90	Max. %90	Max. %90	Max. %90	Max. %90	Max. %90	Max. %90
SET HOLIDAYS		Yes	Yes						Yes	Yes	Yes
TIME LOCK		Yes	Yes						Yes	Yes	

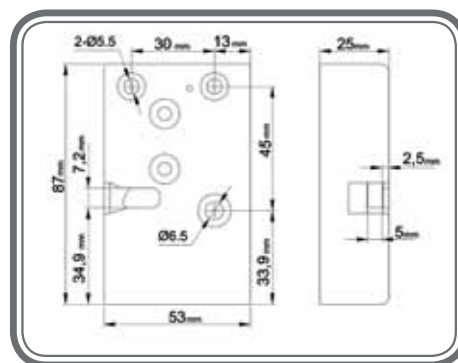
KD 050/55-240

POWER SUPPLY	DC 9V
POWER SUPPLY RANGE	DC 4.5V-12V
STANDBY CURRENT	<50µA
ACTIVE CURRENT	<500Ma
WORKING TEMPERATURE	0 °C ~ +49 °C
WORKING HUMIDITY	<90%
BATTERY LOW VOLTAGE	7-+0.2V
MECHANICAL SYSTEM LIFE SPAN	100.000 cycles
MOTOR WORKING TIME	0.1 Sec.

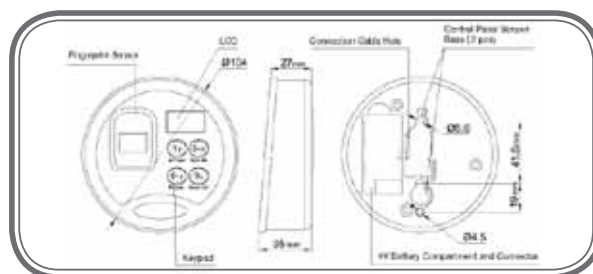


KD 050/55-242

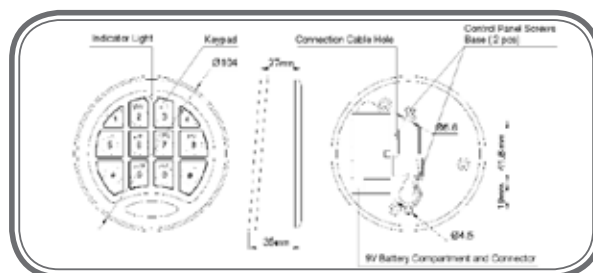
POWER SUPPLY	DC 9V
POWER SUPPLY RANGE	DC 4.5V-12V
STANDBY CURRENT	<50µA
ACTIVE CURRENT	<500Ma
WORKING TEMPERATURE	0°C ~ +49°C
WORKING HUMIDITY	<90%
BATTERY LOW VOLTAGE	5.4 ± 0.2V
MECHANICAL SYSTEM LIFE SPAN	100.000 cycles
MOTOR WORKING TIME	0.2 sec..



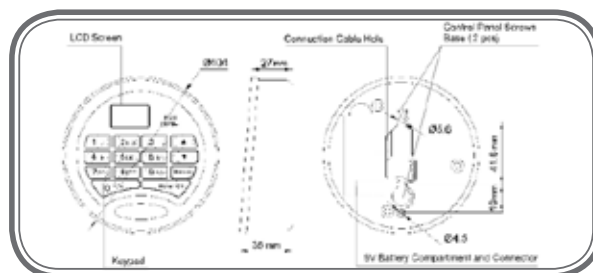
55-100 55-101 55-102 Biometric - Finger Print Keypad



55-110 55-111 Electronic - Digital Keypad



55-112 55-113 55-114 55-115 55-116 55-118 Electronic - Digital Keypad



Data Transfer Device

Wireless



KD-050/55-260

Data Transfer Device

Wired



KD-050/55-261

USB Key



KD-050/55-266 Master
KD-050/55-267 User

KD 050/55-262

SOFTWARE REQUIREMENTS	Windows Xp
RAM	1Gbyte or higher memory capacity ram
HARD DISC	80Gb or higher memory capacity
SYSTEM ENTRY & OUT	By using user name & Passcode
ASSIGNING OPERATOR	Yes
DATA PORT	USB
SAVING DATA FILE	Microsoft Access
SAVING OPERATIONAL RECORDS	Microsoft Access
OPERATING BY USB KEYS	Yes
CONNECTING ENTRY POINTS THROUGH NETWORK	Yes
CREATING GROUPS	Yes
ASSIGNING COMPANIES	Yes
ASSIGNING WORKERS	Yes
ASSIGNING USER	Yes
RETRIEVING OPENING RECORDS WIRELESSLY FROM NETWORK	Yes
RETRIEVING REPORT RECORDS	MS Excel, Word, XML, HTML
CREATING TIME & HOLIDAY TABLES	Based on Date & Time
ASSIGNING ENCRYPTED CODE	Yes

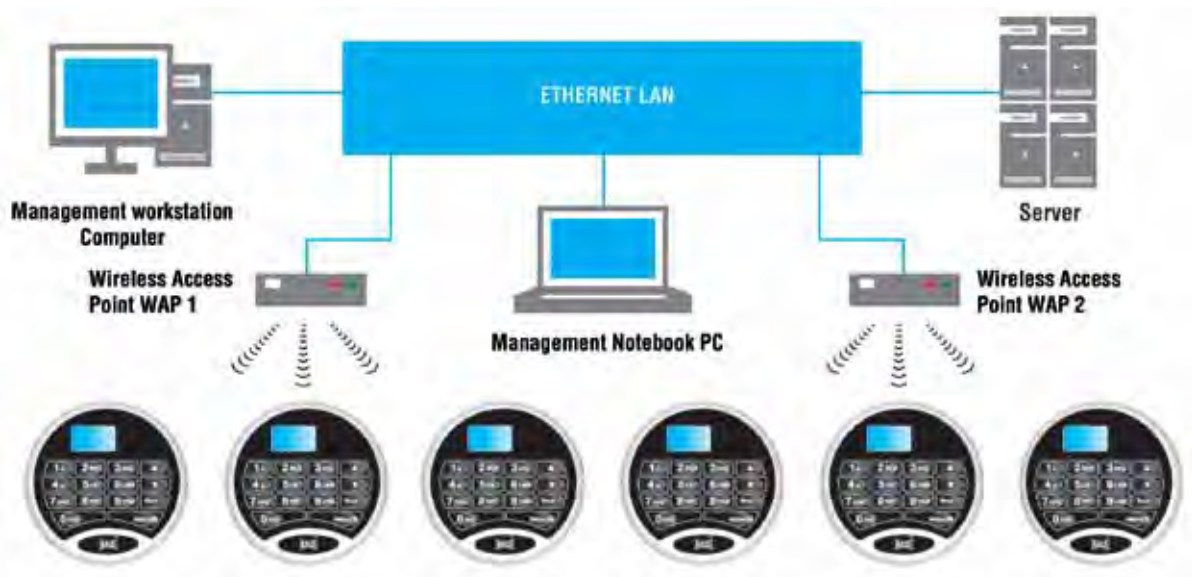
Electronic Security Lock Server Program



Connect Wireless Devices to Computer via USB Adaptor



Connect Wireless Networks to Ethernet LAN



Electronic Controller Lock Applications



DIGITAL COMBINATION SAFES

Electronic Digital Safe



KD-060/30-100

Motorized Locking System



LED Lightning Case Function



Electric / Battery Operated



VDE Socket For Laptop Charging



Memory



SPECIFICATIONS

- 1-9 digit one time code
- 1-9 digit master code
- Open with external hand terminal in case of flat batteries
- Override mechanical lock
- Assembled to wall or ground
- Operates by electric (using 6v DC transformer)
- Additional battery operation in case of electric power cut
- LED inner light
- Electric socket for laptop charging
- Audit trail latest 300 entry records

Operational Methods

- By one time code
- By master code
- By override mechanical lock
- By hand terminal

DIGITAL COMBINATION SAFES

Standard Type / Laptop Type / Steel Safe



KD-060/10-200
Laptop Type

Standard Type



KD-060/10-100

Steel Safe



KD-060/30-110

DIGITAL COMBINATION SAFES / TECHNICAL SPECIFICATIONS



KD 060/10-100

SYSTEM	Standard Steel Safe
WEIGHT	9.4 kgs
DIGITAL SYSTEM	LCD Led display and keypad
CODE	6 digits
EMERGENCY	With Master code and Mechanical key
BATTERY	AA 1.5 Volt x 4 piece
DEPTH	245 mm
WIDTH	350 mm
HEIGHT	250 mm

KD 060/30-100

SYSTEM	Motorized & Memory Function
WEIGHT	11.7 kg
APPLICATIONS	Home/ Office /Hotel Type
LED DISPLAY	4 character red color
MEMORY	Last 300 pcs records
DATA RETRIEVING	By using Hand Terminal Unit (Optional)
EMERGENCY OPENING	Mechanical key or using hand terminal (Optional)
KEYPAD LOCKING	Automatic blocking for 3 minutes when wrong user code entered 3 times
MONTAGE	Either on floor or wall by using installation screws with steel wall plugs
USER CODE	One Time Code (1-9 digit)
DOOR OPENING	Opening by spring mechanism after entering user code
SOFTWARE LANGUAGE	Turkish / English
WORKING VOLTAGE	DC 6V
STATIC CURRENT	< 30 uA
DYNAMIC CURRENT	< 400 mA
ALARM VOLTAGE	4.2 +- 0.2 V
WORKING TEMPERATURE	0 C + 55 V
WORKING HUMIDITY	RH (20-93) %
DEPTH	350 mm
WIDTH	430 mm
HEIGHT	220 mm
ENERGY SUPPLY	By electric using DC 6V transformer or 4 pcs 1.5V AA Alkaline batteries
KEYPAD	ADA rubber keypads with background lightning
INNER SAFE LIGHTENING	With LED light (optionally can be activated by pressing * button
CHARGER UNIT	CE certified electric plug for laptop charger
CERTIFICATION	RoSH Certification

KD 060/10-200

SYSTEM	Lap-top Type Steel Safe
WEIGHT	12 kgs
DIGITAL SYSTEM	LCD Led display and keypad
CODE	6 digits
EMERGENCY	With Master code and Mechanical key
BATTERY	AA 1.5 Volt x 4 piece
DEPTH	335 mm
WIDTH	405 mm
HEIGHT	230 mm

KD 060/30-110

SYSTEM	Motorized & Memory Function
WEIGHT	6.2 kg
APPLICATIONS	Home/ Office /Hotel Type
LED DISPLAY	4 character red color
MEMORY	Last 300 pcs records
DATA RETRIEVING	By using Hand Terminal Unit (Optional)
EMERGENCY OPENING	Mechanical key or using hand terminal (Optional)
KEYPAD LOCKING	Automatic blocking for 3 minutes when wrong passwords entered 3 times
MONTAGE	Either on floor or wall by using installation screws with steel wall plugs
USER CODE	One Time Code (1-9 digit)
DOOR OPENING	Opening by spring mechanism after entering user code
SOFTWARE LANGUAGE	Turkish / English
WORKING VOLTAGE	DC 6V
STATIC CURRENT	< 30 uA
DYNAMIC CURRENT	< 400 mA
ALARM VOLTAGE	4.2 +- 0.2 V
WORKING TEMPERATURE	0 C + 55 V
WORKING HUMIDITY	RH (20-93) %
DEPTH	270 mm
WIDTH	300 mm
HEIGHT	169 mm
ENERGY SUPPLY	4 pcs 1.5V AA Alkaline batteries



GLASS DOOR ACCESSORIES GROUP

	PAGE
GLASS DOOR ACCESSORIES GROUP	104-109
KD-070 GLASS DOOR ACCESSORIES SETS	110-111
KD-070 GLASS DOOR LOCK	112-113
KD-070 FLOOR SPRING & ACCESSORIES	114-119
KD-070 SS GLASS DOOR HANDLE	

GLASS DOOR ACCESSORIES

Glass Detailed Set 1
KD-070/10-100



KD-070/20-101
Floor Spring

Below Hinge



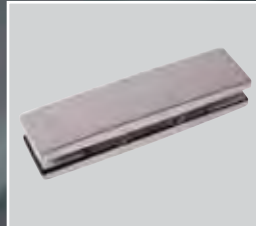
KD-070/20-110

Top Hinge



KD-070/20-111

Upper Hinge



KD-070/20-112

Metal Handle



KD-070/20-132

Small Single Hinge



KD-070/20-113

**Corner Lock + Cylinder +
Striking Plate**



KD-070/20-123

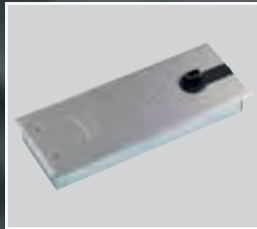
GLASS DOOR ACCESSORIES

Standard Set 2
KD-070/10-200



KD-070/20-132
Metal Handle

Floor Spring



KD-070/20-101

Below Hinge



KD-070/20-110

Top Hinge



KD-070/20-111

Bearing Base



KD-070/20-119

Corner Lock + Cylinder +
Striking Plate



KD-070/20-123

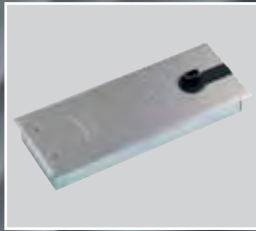
GLASS DOOR ACCESSORIES

T Hinge Set 3
KD-070/10-300



KD-070/20-114
T Hinge

Floor Spring



KD-070/20-101

Small Single Hinge



KD-070/20-113

Top Hinge



KD-070/20-111

Below Hinge



KD-070/20-110

Corner Lock + Cylinder +
Striking Plate



KD-070/20-123

Metal Handle



KD-070/20-132

GLASS DOOR ACCESSORIES

Glass Detailed Set 4 / W-O Handle

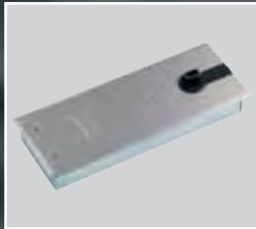
KD-070/10-400



KD-070/20-110

Below Hinge

Floor Spring



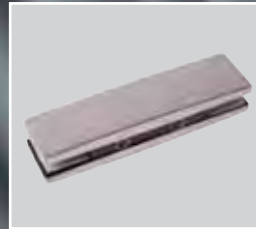
KD-070/20-101

Top Hinge



KD-070/20-111

Upper Hinge



KD-070/20-111

Small Single Hinge



KD-070/20-113

Corner Lock + Cylinder +
Striking Plate



KD-070/20-123

GLASS DOOR ACCESSORIES

Glass Detailed Set 5 / W-O Handle

KD-070/10-500



KD-070/20-123

Corner Lock + Cylinder + Striking Plate

Floor Spring



KD-070/20-101

Below Hinge



KD-070/20-110

Top Hinge



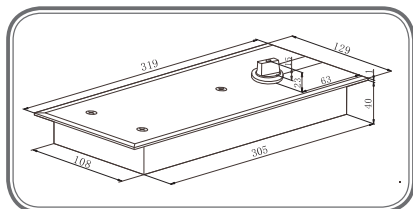
KD-070/20-111

Bearing Base

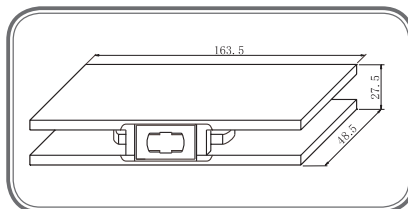


KD-070/20-119

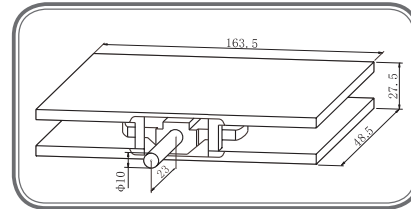
Floor Spring 20-101



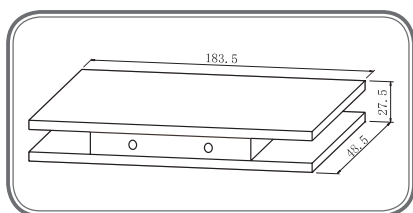
Below Hinge 20-110



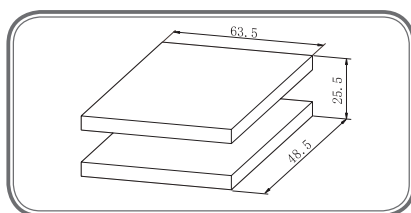
Top Hinge 20-111



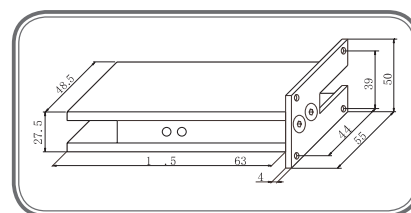
Upper Hinge 20-112



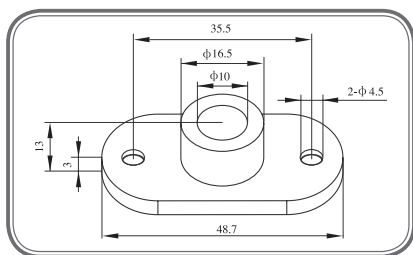
Small Single Hinge 20-113



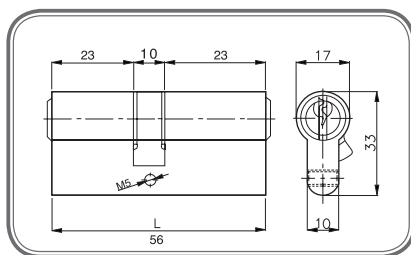
T Hinge 20-114



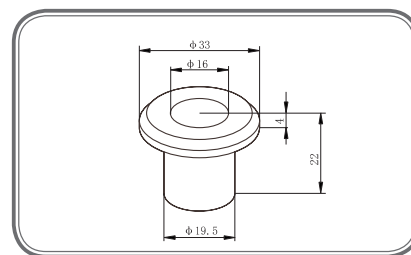
Bearing Base 20-119



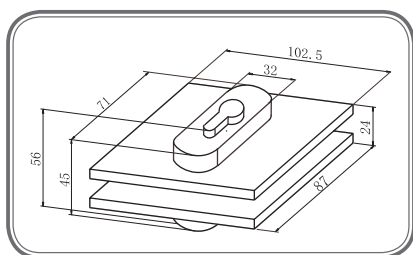
Cylinder 20-121



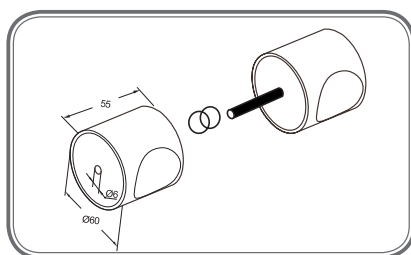
Lock Strike 20-122



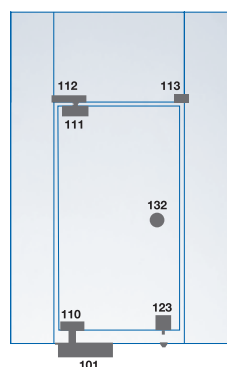
Corner Lock 20-120



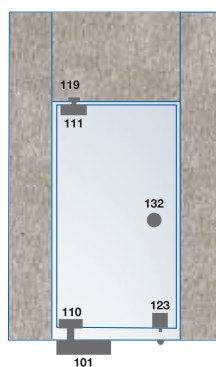
Metal Handle 20-132



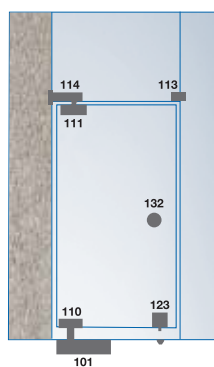
Glass Detailed Set 1



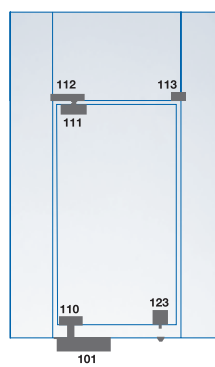
Standard Set 2



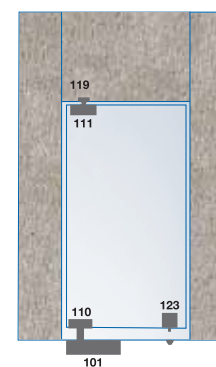
T Hinge Set 3



**Glass Detailed Set 4
W-O Handle**



**Glass Detailed Set 5
W-O Handle**



GLASS DOOR ACCESSORIES

Glass Door Lock



KD-070/20-125

Glass Door Lock For Double Door

Cylinder locking outside,
knob locking inside

Glass Door Lock For Single Door

Cylinder locking outside, knob locking inside



KD-070/20-124

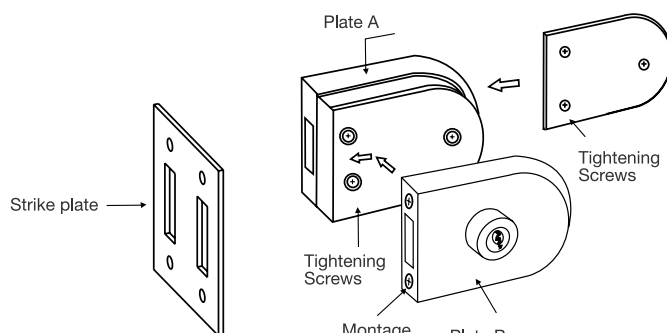
GLASS DOOR ACCESSORIES - GLASS DOOR LOCK

TECHNICAL SPECIFICATIONS



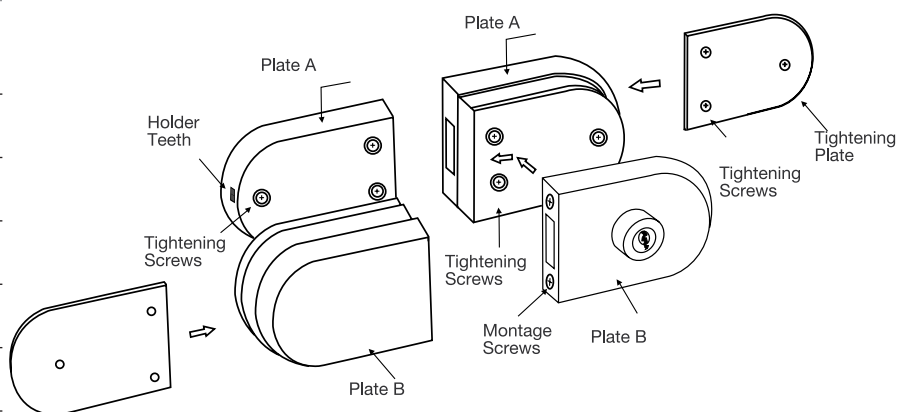
KD 070/20-124

USING	Suitable for right or left usage
INSIDE BODY	202 Stainless steel
OUTSIDE BODY	316 Stainless steel
DEADBOLT	Steel
DOOR WIDTH	8 ~ 10 mm
TYPE	Single door
LOCKING SYSTEM	Cylinder locking outside, knob locking inside
WEIGHT	620 gr



KD 070/20-125

USING	Suitable for right or left usage
INSIDE BODY	202 Stainless steel
OUTSIDE BODY	316 Stainless steel
DEADBOLT	Steel
DOOR WIDTH	8 ~ 10 mm
TYPE	Double door
LOCKING SYSTEM	Cylinder locking outside, knob locking inside
WEIGHT	900 gr



GLASS DOOR ACCESSORIES

Floor Spring & Accessories



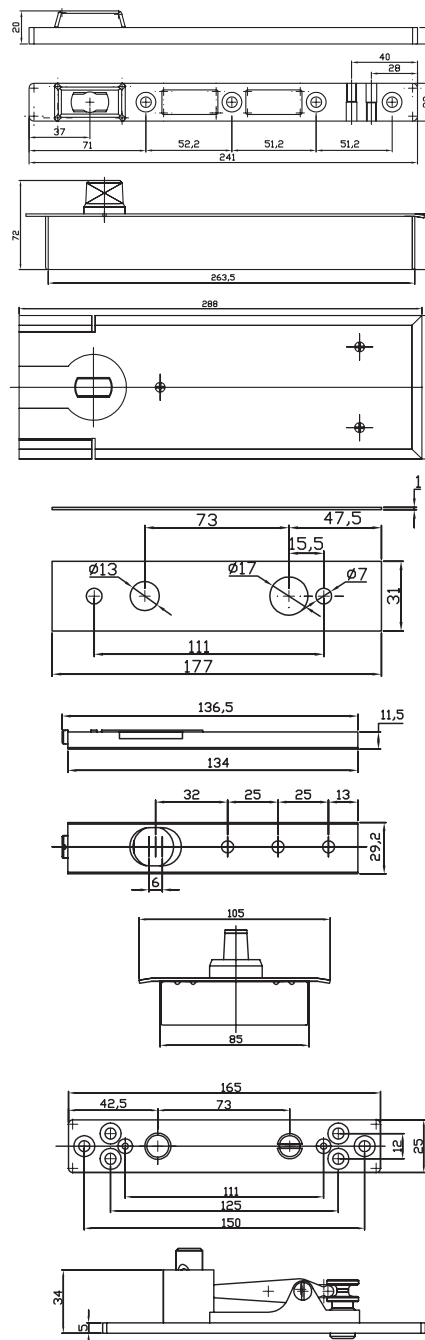
KD-070/20-105
Floor Spring & Accessories

GLASS DOOR ACCESSORIES - FLOOR SPRING & ACCESSORIES / TECHNICAL SPECIFICATIONS



KD 070/20-105

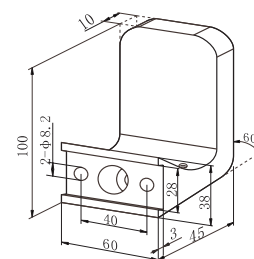
APPLICATION	Aluminium, Fire, Steel, Wooden doors
MAX. OPENING ANGLE	90 ° & 160 ° 180 °
CLOSING AND LATCHING SPEED	0° , 25° , 90° with control
DOOR WEIGHT	Max. 120 Kgs.
DOOR WIDTH	Max. 1200 mm.
HYDROLIC FLUID	Fire resistant Mobile Nyvac FR200D
HEAT RESISTANCE	215°



KD 070/20-130

APPLICATION	Application: It is used as optional for all Glass Doors, Glass Detailed Set 1, Standard Set 2, Set 3 with T Hinge
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Metal Handle



GLASS DOOR ACCESSORIES

SS Glass Door Handle



KD-070/40-101



KD-070/40-100

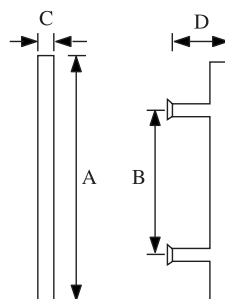
GLASS DOOR ACCESSORIES - SS GLASS DOOR HANDLE

TECHNICAL SPECIFICATIONS



KD 070/40-100

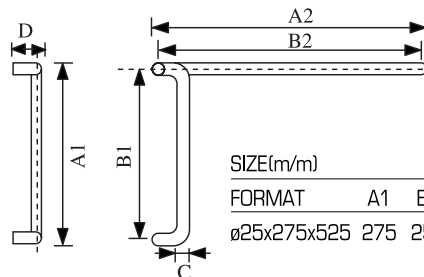
BODY	Stainless steel
FINISHING	Satin Stainless steel
APPLICATION	Glass Doors
APPLICABLE DOOR THICKNESS	Between 8 and 12 mm
TUBE THICKNESS x DIA x LENGTH	1 x 32 x 600
CENTRE LENGTH DISTANCE	300 mm
INSTALLATION SCREW	Stainless Steel



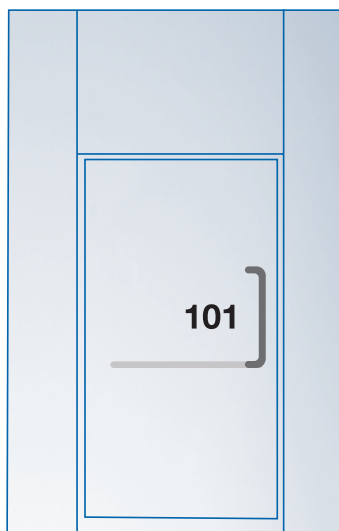
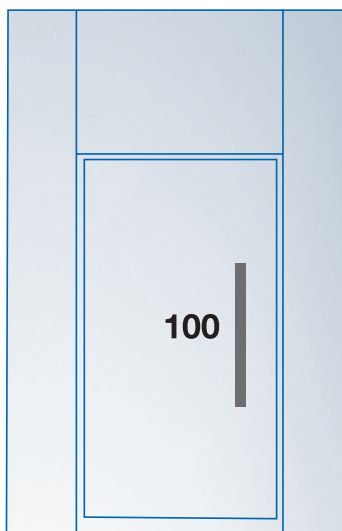
SIZE(m/m)				
FORMAT	A	B	C	D
ø32 x 600	600	300	ø32	76

KD 070/40-101

BODY	Stainless steel
FINISHING	Satin Stainless steel
APPLICATION	Glass Doors
APPLICABLE DOOR THICKNESS	Between 8 and 12 mm
TUBE THICKNESS x DIA x LENGTH	1 x 25 x 525
CENTRE LENGTH DISTANCE	275 mm
INSTALLATION SCREW	Stainless Steel



SIZE(m/m)						
FORMAT	A1	B1	C	D	A2	B2
ø25x275x525	275	250	ø25	65	525	500



GLASS DOOR ACCESSORIES

SS Glass Door Handle



KD-070/40-103



KD-070/40-102

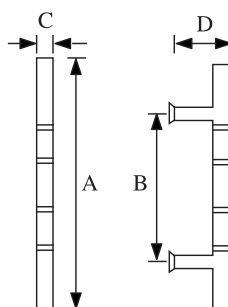
GLASS DOOR ACCESSORIES - SS GLASS DOOR HANDLE

TECHNICAL SPECIFICATIONS



KD 070/40-102

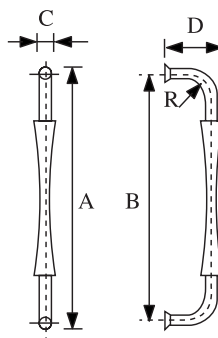
BODY	Stainless steel
FINISHING	Satin & Polished Stainless steel
APPLICATION	Glass Doors
APPLICABLE DOOR THICKNESS	Between 8 and 12 mm
TUBE THICKNESS x DIA x LENGTH	1 x 32 x 600
CENTRE LENGTH DISTANCE	300 mm
INSTALLATION SCREW	Stainless Steel



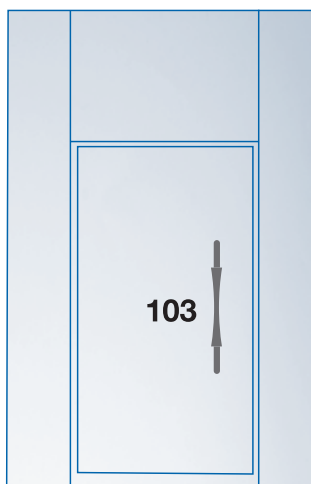
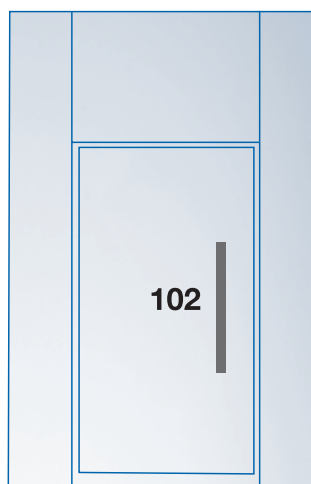
SIZE(m/m)				
FORMAT	A	B	C	D
ø32 x 600	600	300	32	76

KD 070/40-103

BODY	Stainless steel
FINISHING	Satin & Polished Stainless steel
APPLICATION	Glass doors
APPLICABLE DOOR THICKNESS	Between 8 and 12 mm
TUBE THICKNESS x DIA x LENGTH	1 x 38 x 600
CENTRE LENGTH DISTANCE	575 mm
INSTALLATION SCREW	Stainless Steel



SIZE(m/m)				
FORMAT	A	B	C	D
ø38 x 600	600	575	38	65



GLASS DOOR ACCESSORIES

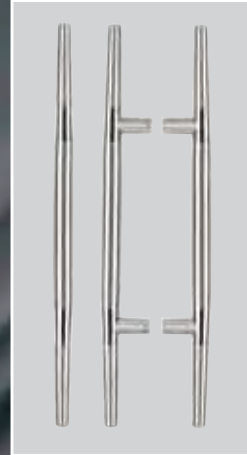
SS Glass Door Handle



KD-070/40-105



KD-070/40-106



KD-070/40-104

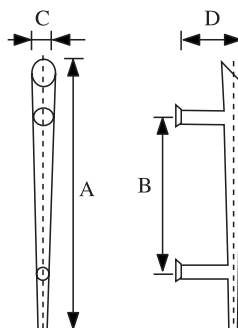
GLASS DOOR ACCESSORIES - SS GLASS DOOR HANDLE

TECHNICAL SPECIFICATIONS



KD 070/40-104

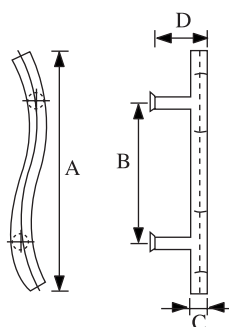
BODY	Stainless steel
FINISHING	Satin & Polished Stainless steel
APPLICATION	Glass doors
APPLICABLE DOOR THICKNESS	Between 8 and 12 mm
TUBE THICKNESS x DIA x LENGTH	1 x 32 x 600
CENTRE LENGTH DISTANCE	300 mm
INSTALLATION SCREW	Stainless Steel



SIZE(m/m)				
FORMAT	A	B	C	D
ø32 x 600	600	300	32	76

KD 070/40-105

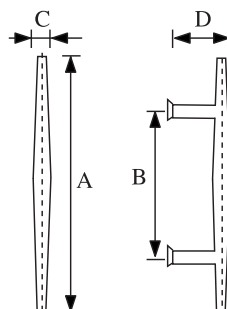
BODY	Stainless steel
FINISHING	Satin & Polished Stainless steel
APPLICATION	Glass doors
APPLICABLE DOOR THICKNESS	Between 8 and 12 mm
TUBE THICKNESS x DIA x LENGTH	1 x 32 x 600
CENTRE LENGTH DISTANCE	300 mm
INSTALLATION SCREW	Stainless Steel



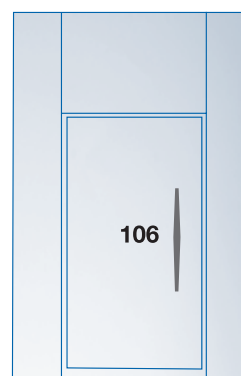
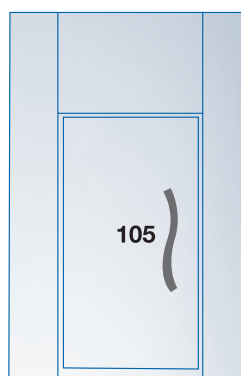
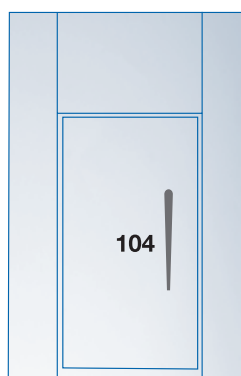
SIZE(m/m)				
FORMAT	A	B	C	D
ø32 x 600	600	300	32	76

KD 070/40-106

BODY	Stainless steel
FINISHING	Satin & Polished Stainless steel
APPLICATION	Glass doors
APPLICABLE DOOR THICKNESS	Between 8 and 12 mm
TUBE THICKNESS x DIA x LENGTH	1 x 32 x 600
CENTRE LENGTH DISTANCE	300 mm
INSTALLATION SCREW	Stainless Steel



SIZE(m/m)				
FORMAT	A	B	C	D
ø32 x 600	600	300	32	76



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